					DEPARTMENT						AMENI	FC DED REPOI	RM 3		
		AF	PPLICATION FO	OR PERMI	IT TO DRILL					1. WELL NAME and N	JMBER NBU 921	-23K4BS			
2. TYPE O	F WORK	DRILL NEW WELL	REENTER	P&A WELL		WELL ()			3. FIELD OR WILDCA	r NATURAL	BUTTES			
4. TYPE O	F WELL	G	as Well Co	albed Meth	nane Well: NO					5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES					
6. NAME (F OPERATOR		KERR-MCGEE OIL							7. OPERATOR PHONE					
8. ADDRE	SS OF OPERAT		P.O. Box 173779							720 929-6515 9. OPERATOR E-MAIL julie.jacobson@anadarko.com					
	AL LEASE NUM ., INDIAN, OR S	TATE)			NERAL OWNERS	SHIP DIAN (STATE () FEE	,	12. SURFACE OWNERSHIP FEDERAL INDIAN (STATE FEE)					
13. NAME		UTU 0149075 OWNER (if box 12	= 'fee')	1 201	ELVAL WE	ZIAIV	OTATE C	× 122		14. SURFACE OWNER					
15. ADDR	DCATION OF WELL FOOTAGES QTR-QTR SEC DCATION AT SURFACE 2435 FSL 1986 FWL NESW 23 Op of Uppermost Producing Zone 1901 FSL 2148 FWL NESW 23								-	16. SURFACE OWNER	R E-MAIL	(if box 12	! = 'fee')		
17 INDIAI	N ALL OTTEE O	R TRIRE NAME					RODUCTION	FROM		19. SLANT					
	= 'INDIAN')				CDY.		ng Applicatio	n) NO)	VERTICAL DIF	RECTIONA	AL 📵 H	HORIZON	TAL 🔵	
20. LOC	TION OF WELL	-		FOOTAGE	FOOTAGES QTR-QTR SECTION)N	TOWNSHIP	RA	ANGE	МЕ	ERIDIAN		
LOCATIO	N AT SURFACE		243:	FSL 1986	6 FWL	NE	ESW	23		9.0 S	21	1.0 E		S	
Top of U	ppermost Proc	lucing Zone	190	FSL 2148	SL 2148 FWL		ESW	23	23 9.0 S		21	1.0 E	S		
At Total	Depth		FSL 2148	FSL 2148 FWL		ESW	23	9.0 S		21.0 E			S		
21. COUN	TY	UINTAH		22. DIS	STANCE TO NEA	190		et)		23. NUMBER OF ACRI	ES IN DRI 64		IT		
					STANCE TO NEA ied For Drilling		eted)	POOL		26. PROPOSED DEPTI MD:		TVD: 109	157		
27. ELEV	ATION - GROUN	ID LEVEL 4887		28. BO	OND NUMBER	WYB00	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-8496				LE				
					Hole, Casing	, and Ce	ement Infor	mation							
String	Hole Size	Casing Size	Length	Weight	Grade & T		Max Mu			Cement Sacks Yield Weigh					
Surf	11	8.625	0 - 2820	28.0	J-55 L1	T&C	0.2	2	Type V Class G			180 270	1.15	15.8 15.8	
Prod	7.875	4.5	0 - 11009	11.6	HCP-110	LT&C	13.	0	Prer	mium Lite High Stre	ngth	340	3.38	12.0	
									50/50 Poz 1570 1.31				14.3		
					А	TTACHN	MENTS								
	VEF	RIFY THE FOLLO	WING ARE AT	ACHED I	N ACCORDAN	ICE WITH	H THE UTA	H OIL AND	GAS	CONSERVATION G	ENERA	L RULES			
w w	ELL PLAT OR M	AP PREPARED BY	LICENSED SURVE	YOR OR E	NGINEER		✓ COMP	LETE DRILL	ING PL	_AN					
AF	FIDAVIT OF STA	ATUS OF SURFACE	OWNER AGREEM	IENT (IF FE	EE SURFACE)		FORM	5. IF OPERA	TOR IS	S OTHER THAN THE LE	EASE OW	NER			
I ✓ DII	RECTIONAL SU	RVEY PLAN (IF DIR	ECTIONALLY OF	HORIZON	TALLY DRILLED))	торос	GRAPHICAL	MAP						
NAME Da	anielle Piernot			TITLE Re	egulatory Analys	t		PHON	E 720	929-6156					
SIGNATU	RE			DATE 05	5/23/2012			EMAIL	_ danie	lle.piernot@anadarko.d	com				
	BER ASSIGNED 047527260			APPROV	/AL			7	Dol	20 Cylll					
								1	Perm	it Manager					

NBU 921-23K Pad Drilling Program

1 of 4

Kerr-McGee Oil & Gas Onshore. L.P.

NBU 921-23K4BS

Surface: 2435 FSL / 1986 FWL NESW BHL: 1901 FSL / 2148 FWL NESW

Section 23 T9S R21E

Unitah County, Utah Mineral Lease: UTU 0149075

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. & 2.a <u>Estimated Tops of Important Geologic Markers:</u> Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

<u>Formation</u>	<u>Depth</u>	<u>Resource</u>
Uinta Green River	0 - Surface 1,546'	
Birds Nest	1,872'	Water
Mahogany	2,365'	Water
Wasatch	4,860'	Gas
Mesaverde	7,697'	Gas
Sego	9,917'	Gas
Castlegate	9,967'	Gas
MN5	10,357'	Gas
TVD =	10,957'	
TD =	11,009'	

2.c Kerr McGee Oil & Gas Onshore LP (Kerr McGee) will either drill to the the Blackhawk formation, which is part of the Mesaverde formation, or the Wasatch/Mesaverde formation. If Kerr McGee drills to the Blackhawk formation (part of the Mesaverde formation), please refer to MN5 as the bottom formation. The attached Blackhawk Drilling Program includes Total Vertical Depth, Total Depth, and appropriate casing and cement programs for the deeper formation.

If Kerr McGee drills to the Wasatch/Mesaverde formation please refer to Sego as the bottom formation. The attached Wasatch/Mesaverde Drilling Program includes Total Vertical Depth, Total Depth, and appropriate casing and cement programs for the depths the Wasatch/Mesaverde formations are found.

NBU 921-23K Pad Drilling Program 2 of 4

3. <u>Pressure Control Equipment</u> (Schematic Attached)

Please refer to the attached Blackhawk Drilling Program and the Wasatch/Mesaverde Drilling Program

4. <u>Proposed Casing & Cementing Program:</u>

Please refer to the attached Blackhawk Drilling Program and the Wasatch/Mesaverde Drilling Program

5. Drilling Fluids Program:

Please refer to the attached Blackhawk Drilling Program and the Wasatch/Mesaverde Drilling Program

6. Evaluation Program:

Please refer to the attached Blackhawk Drilling Program and the Wasatch/Mesaverde Drilling Program

7. <u>Abnormal Conditions</u>:

7.a Blackhawk (Part of Mesaverde Formation) Target Formation

Maximum anticipated bottom hole pressure calculated at 7,232 psi (0.66 psi/ft = actual bottomhole gradient)

Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

Maximum anticipated surface pressure equals approximately 4,871 psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot, per Onshore Order No. 2).

Per Onshore Order No. 2 - Max Anticipated Surf. Press.(MASP) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

7.b Wasach/Mesaverde Target Formation

Maximum anticipated bottom hole pressure calculated at 9917' TVD, approximately equals 6,347 psi (0.64 psi/ft = actual bottomhole gradient)

Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

Maximum anticipated surface pressure equals approximately 4,151 psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot, per Onshore Order No. 2).

Per Onshore Order No. 2 - Max Anticipated Surf. Press.(MASP) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. <u>Variances:</u>

Please refer to the attached Blackhawk Drilling Program and the Wasatch/Mesaverde Drilling Program Onshore Order #2 – Air Drilling Variance

 $Kerr-McGee\ Oil\ \&\ Gas\ Onshore\ LP\ (KMG)\ respectfully\ requests\ a\ variance\ to\ several\ requirements\ associated\ with\ air\ drilling\ outlined\ in\ Onshore\ Order\ 2$

- · Blowout Prevention Equipment (BOPE) requirements;
- · Mud program requirements; and
- Special drilling operation (surface equipment placement) requirements associated with air drilling.

NBU 921-23K Pad Drilling Program

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background

In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12 1/4 inch hole for the first 200 feet, then will drill a 11inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 11 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 8-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements

The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements

Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements

Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

3 of 4

NBU 921-23K Pad Drilling Program
4 of 4

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

Variance for FIT Requirements

KMG also respectfully requests a variance to Onshore Order 2, Section III, Part Bi, for the pressure integrity test (PIT, also known as a formation integrity test (FIT)). This well is not an exploratory well and is being drilled in an area where the formation integrity is well known. Additionally, when an FIT is run with the mud weight as required, the casing shoe frequently breaks down and causes subsequent lost circulation when drilling the entire depth of the well.

Conclusion

The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.

10. Other Information:

Please refer to the attached Blackhawk Drilling Program and the Wasatch/Mesaverde Drilling Program

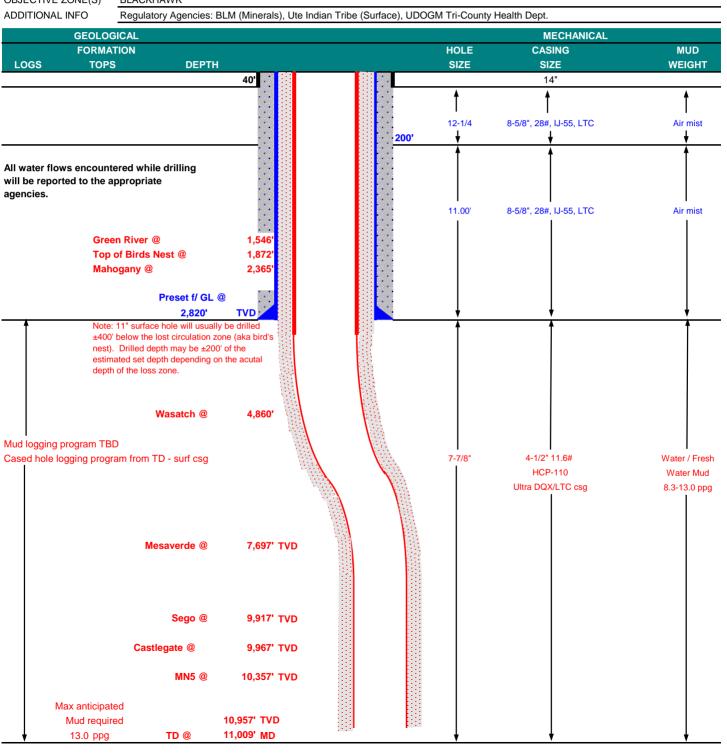
NBU 921-23K Pad Drilling Program

1 of 2



KERR-McGEE OIL & GAS ONSHORE LP BLACKHAWK DRILLING PROGRAM

COMPANY NAME KER	R-McGEE OIL &	GAS ONSHORE	E LP		DATE	Decembe	r 30, 2011		
WELL NAME NB	U 921-23K4B	S			TD	10,957'	TVD	11,009' MD	
FIELD Natural Butte	S	COUNTY Uintah STA		STATE Uta	TATE Utah		SHED ELEVATION_	4,887'	
SURFACE LOCATION	NESW	2435 FSL	1986 FWL	Sec 23	T 9S	R 21E			
	Latitude:	40.020925	Longitude	e: -109.52	1325		NAD 83		
BTM HOLE LOCATION	NESW	1901 FSL	2148 FWL	Sec 23	T 9S	R 21E			
	Latitude:	40.019455	Longitude	e: -109.52	0749		NAD 83		
OBJECTIVE ZONE(S)	BLACKHAWK						_		
ADDITIONAL INFO	Regulatory Age	ncies: BLM (Min	erals). Ute Ind	lian Tribe (Su	ırface). U	DOGM Tri-Co	unty Health Dept.		



Drilling Program NBU 921-23K Pad 2 of 2



KERR-McGEE OIL & GAS ONSHORE LP **BLACKHAWK DRILLING PROGRAM**

CASING PROGRAM

DESIGN FACTORS BURST **COLLAPSE** INTERVAL WT GR. **CPLG**

SURFACE PRODUCTION

CONDUCTOR

TENSION SIZE. 0-40 14" 3,390 348,000 N/A 1,880 **IJ-55** 8-5/8" 0 2,820 28.00 LTC 1.91 1.42 5.03 N/A 8.650 10,690 279,000 367,174 0 5,000 11.60 HCP-110 DQX 4-1/2" to 1.19 1.17 3.59 HCP-110 4-1/2" 5,000 11,009 11.60 LTC 1.17 4.99 to 1.19

Surface Casing:

(Burst Assumptions: TD = 0.73 psi/ft = frac gradient @ surface shoe 13.0 ppg)

Fracture at surface shoe with 0.1 psi/ft gas gradient above

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

Production casing:

(Burst Assumptions: Pressure test with 8.4ppg @ 9000 0.66 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

CEMENT PROGRAM

	FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE LEA	500'	Premium cmt + 2% CaCl	180	60%	15.80	1.15
Option 1		+ 0.25 pps flocele				
TOP OUT CMT (6 jobs	1,200'	20 gals sodium silicate + Premium cmt	270	0%	15.80	1.15
		+ 2% CaCl + 0.25 pps flocele				
SURFACE		NOTE: If well will circulate water to	surface, op	tion 2 will be	utilized	
Option 2 LEA	2,320'	65/35 Poz + 6% Gel + 10 pps gilsonite	210	35%	11.00	3.82
		+ 0.25 pps Flocele + 3% salt BWOW				
TAI	L 500'	Premium cmt + 2% CaCl	150	35%	15.80	1.15
		+ 0.25 pps flocele				
TOP OUT CM	as required	Premium cmt + 2% CaCl	as req.		15.80	1.15
PRODUCTION LEA	d 4,359'	Premium Lite II +0.25 pps	340	35%	12.00	3.38
		celloflake + 5 pps gilsonite + 10% gel				
		+ 0.5% extender				
TAI	L 6,650'	50/50 Poz/G + 10% salt + 2% gel	1,570	35%	14.30	1.31
		+ 0.1% R-3				

^{*}Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE

Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe

PRODUCTION

Float shoe, 1 jt, float collar. 15 centralizers for a Mesaverde and 20 for a Blackhawk well.

1 centralizer on the first 3 joints and one every third joint thereafter.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Survev	's will	be	taken	at	1.000'	minimum	intervals.

Most rige have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized

	Most flys have FVT System for thu	d monitoring. If no F v i is available, visual monitoring will be utilized.		
DRILLING	ENGINEER:		DATE:	
		Nick Spence / Danny Showers / Chad Loesel	-	
DRILLING	SUPERINTENDENT:		DATE:	
		Kenny Gathings / Lovel Young	_	

LTC

DQX

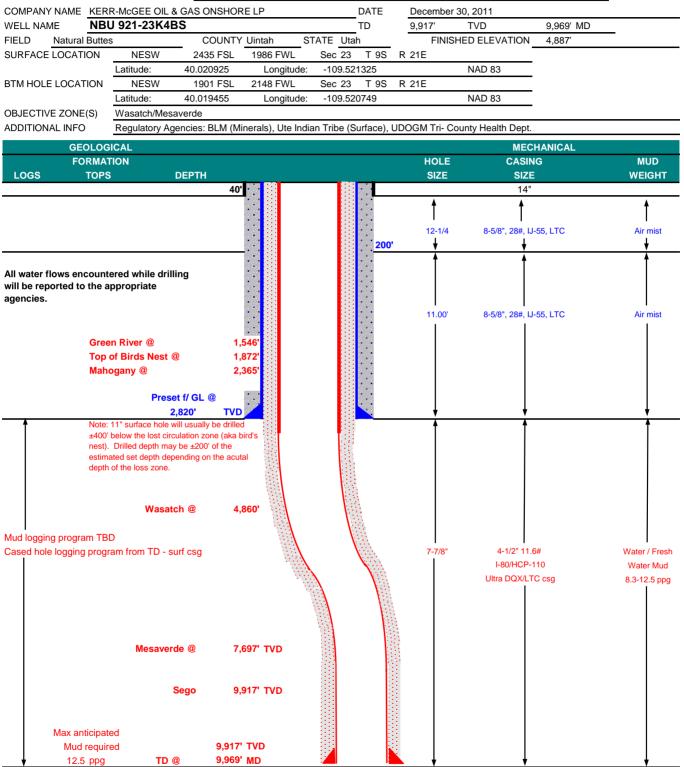
^{*}Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

NBU 921-23K Pad Drilling Program

1 of 2



KERR-McGEE OIL & GAS ONSHORE LP WASATCH/MESAVERDE DRILLING PROGRAM



NBU 921-23K Pad Drilling Program 2 of 2



KERR-McGEE OIL & GAS ONSHORE LP

WASATCH/MESAVERDE DRILLING PROGRAM

CASING PROGRAM

CONDUCTOR

SURFACE PRODUCTION

									LTC	DQX
SIZE	INTERVAL		WT.	GR.	CPLG.	BURST	COLLAPSE	T	NSION	
14"	0-40'									
							3,390	1,880	348,000	N/A
8-5/8"	0	to	2,820	28.00	IJ-55	LTC	1.91	1.42	5.03	N/A
							7,780	6,350		267,035
4-1/2"	0	to	5,000	11.60	I-80	DQX	1.11	0.99		2.85
							10,690	8,650	223,000	
4-1/2"	5,000	to	9,969'	11.60	HCP-110	LTC	1.53	1.34	4.78	

Surface Casing:

(Burst Assumptions: TD =

12.5 ppg)

0.73 psi/ft = frac gradient @ surface shoe

DESIGN FACTORS

Fracture at surface shoe with 0.1 psi/ft gas gradient above

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

Production casing:

(Burst Assumptions: Pressure test with 8.4ppg @

7000 psi

0.64 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

CEMENT PROGRAM

	FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE LEAD	500'	Premium cmt + 2% CaCl	180	60%	15.80	1.15
Option 1		+ 0.25 pps flocele				
TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt	270	0%	15.80	1.15
		+ 2% CaCl + 0.25 pps flocele				
SURFACE		NOTE: If well will circulate water to	surface, opt	ion 2 will be	utilized	
Option 2 LEAD	2,320'	65/35 Poz + 6% Gel + 10 pps gilsonite	210	35%	11.00	3.82
		+ 0.25 pps Flocele + 3% salt BWOW				
TAIL	500'	Premium cmt + 2% CaCl	150	35%	15.80	1.15
		+ 0.25 pps flocele				
TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.80	1.15
PRODUCTION LEAD	4,359'	Premium Lite II +0.25 pps	340	35%	12.00	3.38
		celloflake + 5 pps gilsonite + 10% gel				
		+ 0.5% extender				
TAIL	5,610'	50/50 Poz/G + 10% salt + 2% gel	1,330	35%	14.30	1.31
		+ 0.1% R-3				

^{*}Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SI	IR.	FΔ	CE	
U	,,,	. , ,	UL	

Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe

PRODUCTION

Float shoe, 1 jt, float collar. 15 centralizers for a Mesaverde and 20 for a Blackhawk well.

1 centralizer on the first 3 joints and one every third joint thereafter.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys will be taken at 1,000' n	minimum	intervals.
-----------------------------------	---------	------------

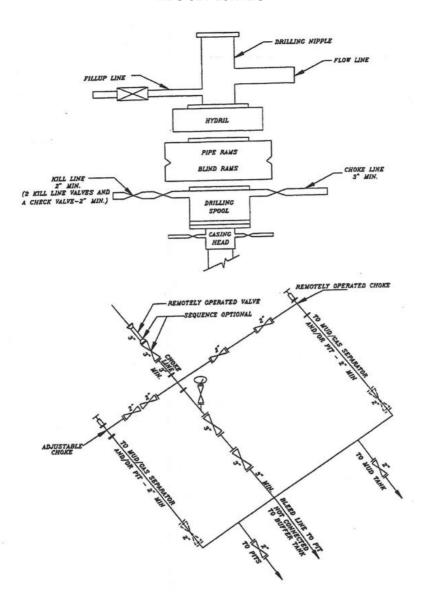
Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

Kenny Gathings / Lovel Young

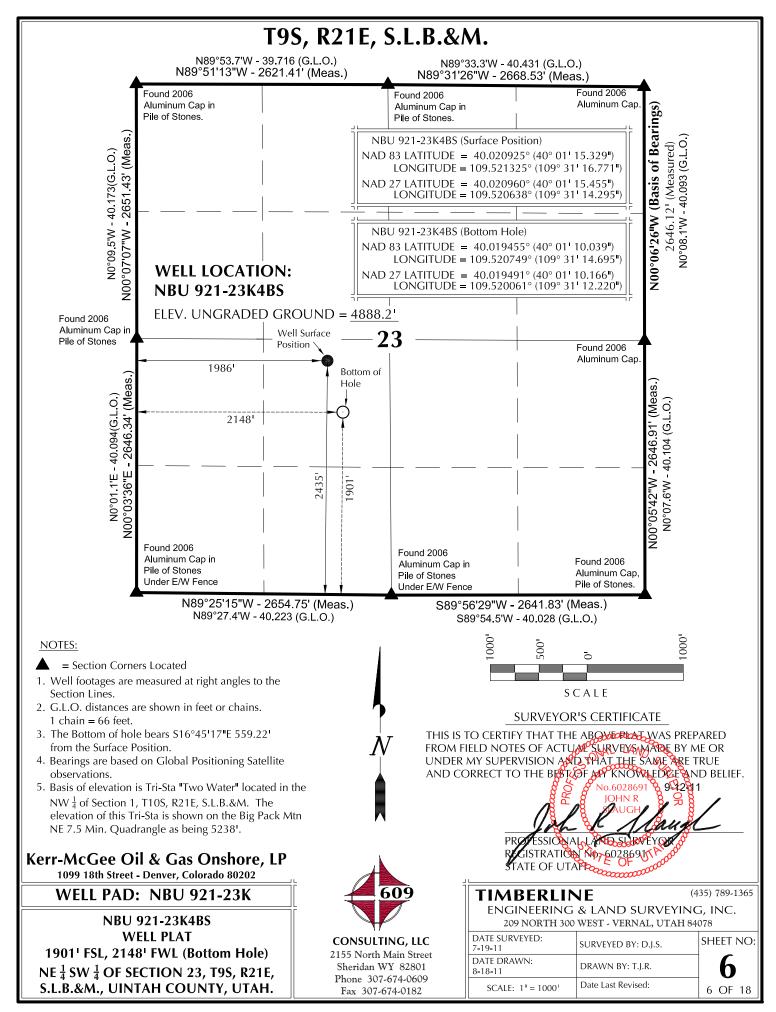
DRILLING ENGINEER:		DATE:	
	Nick Spence / Danny Showers / Chad Loesel		
DOLLING SUBEDINTENDENT.		DATE:	

^{*}Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

EXHIBIT A NBU 921-23K4BS



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK



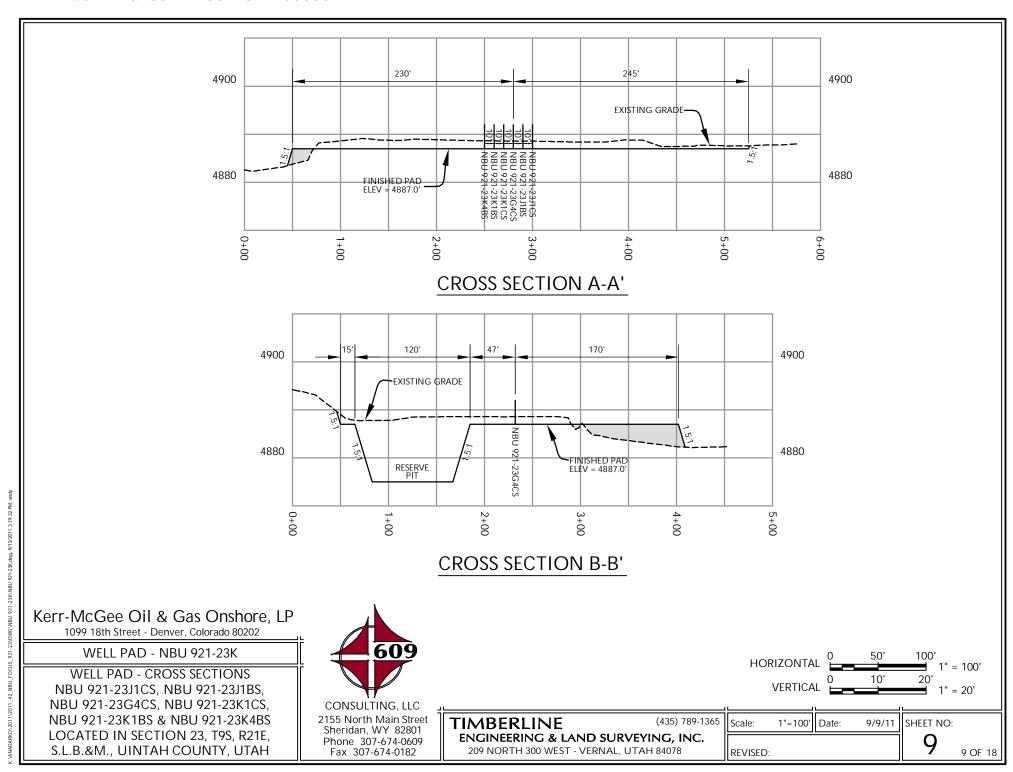
			SURFACE PO	OSITION					В	OTTOM HOLE		
WELL NAME		ND83		NAD27	NAD83 NAD27							
	LATITUDE	LONGIT				FOOTAGES	_		ONGITUDE	LATITUDE	LONGITUDE	
NBU 921-23J1CS	40°01'15.124 40.020868°	1.00 0		5.250" 109°3		2415' FSL 2032' FWL	1		9°30'57.656" 9.516016°	40°01'11.741" 40.019928°	109°30'55.181"	2064' FSL 1817' FEL
NBU	40°01'15.16	109.52116 5" 109°31'16		5.291" 109.5 ₄	20475°	2419' FSL			19.316016 19°30'57.666"		109.515328° 109°30'55.191"	
921-23J1BS	40.020879°	109.52119			20508°	2022' FWL			9.516018°	40.020837°	109.515331°	1817' FEL
NBU	40°01'15.20				1'13.949"	2423' FSL	40°01'1		9°30'57.676"	40°01'18.527"	109°30'55.201"	2559' FNL
921-23G4CS	40.020890°	109.52122			20541°	2013 FWL			9.516021°	40.021813°	109.515334°	1817' FEL
NBU	40°01'15.247 40.020902°	1.03 5			1'14.064"	2427' FSL 2004' FWL	40°01'1		9°31'14.706"		109°31'12.231"	
921-23K1CS NBU	40.020902 40°01'15.288	109.52126 3" 109°31'16			20573° 1'14.179"	2431 FSL	40.020.		9.520752° 9°31'14.704"	40.020399° 40°01'16.707"	109.520064° 109°31'12.229"	2147' FWL 2563' FSL
921-23K1BS	40.020913°	109.52129	5.05 10 0 1	105 5	20605°	1995' FWL			09.520751°	40.021307°	109.520064°	2147' FWL
NBU	40°01'15.329		5.771" 40°01'1	5.455" 109°3	1'14.295"	2435' FSL	40°01'1	1 '	09°31'14.695"	40°01'10.166"	109°31'12.220"	1901' FSL
921-23K4BS	40.020925°	109.52132			20638°	1986 FWL	40.019	455° 10	09.520749°	40.019491°	109.520061°	2148' FWL
NBU 274	40°01'14.90! 40.020807°	1.00 0		5.031" 109°3		2391' FSL 1942' FWL						
	40.020007	109.52148			20797°			t- D-#	11-1-			
WELL NAME	NORTH	EACT	WELL NAME	NORTH			. NAME	NORTH		WELL NAM	E NORTH	EAST
NBU		EAST	NBU NAME		EAS	NIDII	. NAME			NBU NBU		
921-23J1CS	-356.1	1441.81	921-23J1BS	-29.2	1450.		3G4CS	322.5	1459.1'	921-23K1C	-196.2	142.6'
WELL NAME	NORTH	EAST	WELL NAME	NORTH	EAS				L		-	
NBU	130.71	151.8¹	NBU	-535.5	161.3	2'					1	
921-23K1BS	130.7	151.0	921-23K4BS	333.3	101.2					1		
/												
/			BASIS	of Bearing	S IS THE	EAST LINI	OF			Bottom	of 👢	
/			THE N	E 1/4 OF SECT	ON 23,	T9S, R21E.			200.3 ^A	Hole	r	
/				м. WHICH					° (a)		A 7	
			GLOB/	AL POSITION	ning sa	TELLITE		111	8 603°		IV	
/ `	`		OBSER	vations to	O BEAR I	N00°06'26'	W.	37/	,20			
/							_	1/2/4014	•			
/		~ \N64	5°24'09"W 094.59750°				r	3,76			III	
•		42,5	24'00				/5/	×,			M	
			94 ~ 9"W				/ \				-2639°	
			··39 _{>500}	_						Az=77.	1494.34	
			-00		, 10) , /			_		"E - Hole)	
						0' 10' 10' 10'		_	. — — —	N/ (TO BO	53639° LE - 1494.34 Litom Hole)	
					10 miles _//	10'	10,			(, -		
					7-23K4BS 23K1BS		7			Az	=91.15417°	
					300	J 67 62					D'45"E - 1450	781
				S	V 33 €	\$ 8 S				(To	Bottom Hole	., 0
					_ / /	0.00 S.						
30'	-0		<u>-</u> 09		3.2.2.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\			$ A_{Z}$	=102 0=	
					28	88	\			3/6°07'4	12 167°	
						ري 🗸				$(I_{\mathbf{O}} B_{\mathbf{O}})$	ottom 1485.16	57 _
	SCALE		<i>\$</i> /	,			/ /				=103.87167° 12"E - 1485.16 ottom Hole)	_
			<i>:</i> [° 66. 7.	7 ~ ~	~ \	رزي	XX				
			Z /	35,		; /	\ `	\$\\\\\\\\	_			
			Z /	છે છે _. જે જ	',ંજ઼ જે∧	. (0 \Z				
SCALE SC												
			\$ §	£ 7. 8	8,8,	Az=103 16°45'17"E-559.4 (To Bottom Hole)		,5,	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			/ /
			\$ Z.	1, 2, 4, 2		805/	્રે	7	3/		_	/
		4	\$\\ \Z'\ \Z'\ \Z'\ \Z'\ \Z'\ \Z'\ \Z'\ \		55	8 1 E	20		37/			/
			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	322,	//`	3 (1)	52		,			/ /
			L & & .	× 2 7.7		Hole 559	/ &		`\	`		/
			2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3			6,	>'		\		/ /	/
			Ÿ. ^{V.} ⊙	C 4.8/			<u>ا</u> ا		`	\	/ / /	/
			, <u>4</u> , 7 , ′,				_ \				/ / /	
			, 4)	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	`		1	_		\ /	/ / /	
				₹			,			> /	/ /	
Voru Masa	Coc O:I	0. Can 1)nobour	I D			~/		D-4	m of /	/ /	
Kerr-Mc				Lľ			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Botto Hole	III OI /	/ /	
	8th Street - D							#			/ /	
WEL	L PAD -	NBU 9	21-23K			609		TIA	ABERL I	INE	(4	35) 789-1365
	DADINIT	EDEEDE	CE DI AT								Surveying	
\A/EII		INTERF	NCEPLAL			\		11	209 NORTH 3	00 WEST - VER	NAL, UTAH 84	178
WELL				e II		1 1						
WELLS - N	NBU 921-23	J1CS, NBU	J 921-23J1B	S,	CONSI	ULTING. LI	.c	DATE S	JRVEYED:			
WELLS - N NBU 9	NBU 921-23 921-23G4C	J1CS, NBU S, NBU 92	J 921-23J1B 1-23K1CS,	8,		U LTING, L I orth Main Str		DATE SI 7-19-11	JRVEYED:	SURVEYED B		SHEET NO:
WELLS - N NBU 9 NBU 9	NBU 921-23 921-23G4C 921-23K1BS	J1CS, NBU 5, NBU 92 & NBU 92	J 921-23J1B: 1-23K1CS, 21-23K4BS,	8,	2155 No		eet	DATE SI 7-19-11 DATE D	JRVEYED:		Y: D.J.S.	
WELLS - N NBU 9 NBU 9 LOCA	NBU 921-23 921-23G4C	J1CS, NBU S, NBU 92 & NBU 92 TION 23,	J 921-23J1B 1-23K1CS, 21-23K4BS, T9S, R21E,	5,	2155 No Sherida Phone	orth Main Str	eet)1)9	DATE SI 7-19-11 DATE D 8-18-11	JRVEYED:	SURVEYED B	Y: D.J.S. T.J.R.	

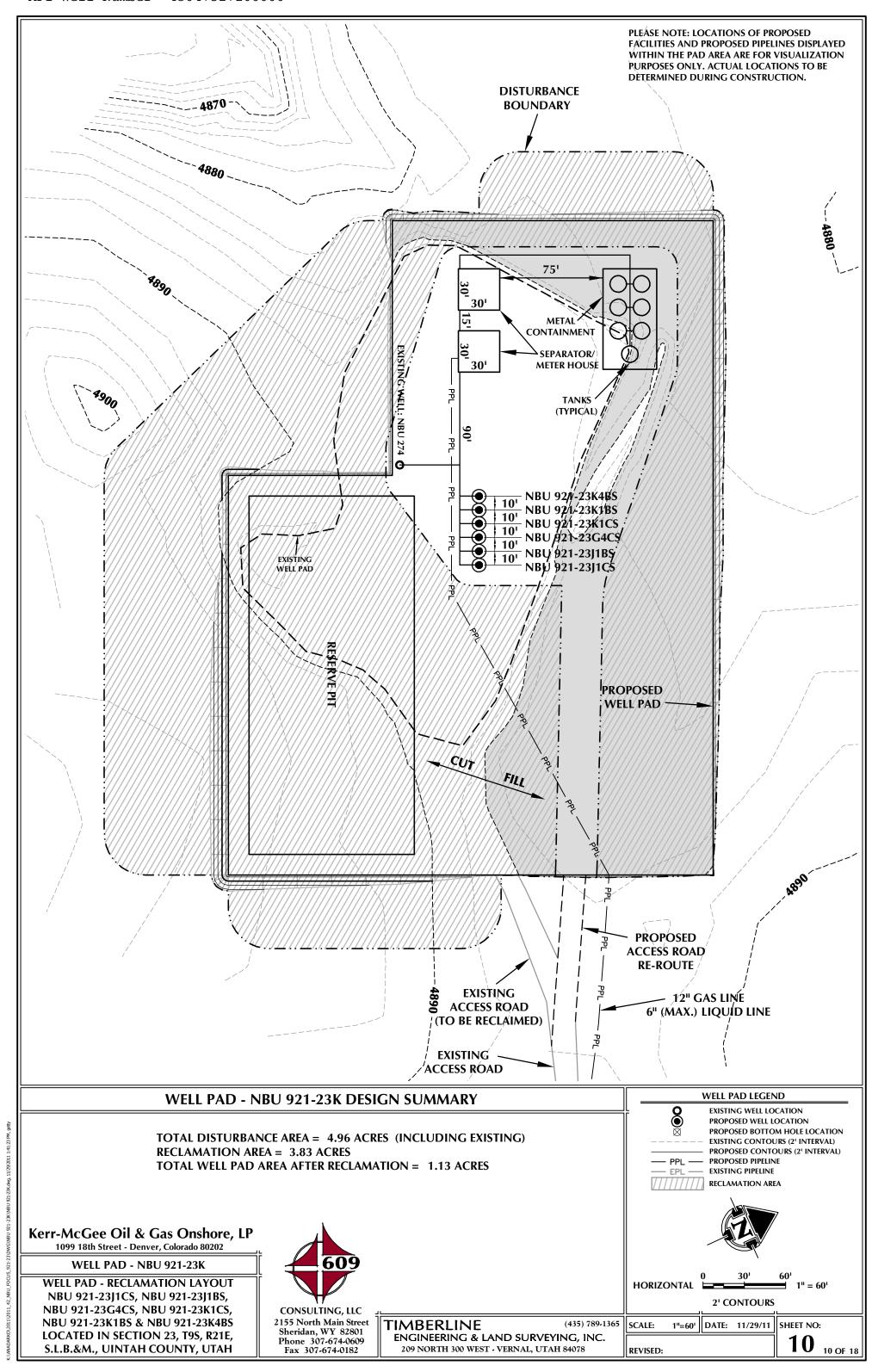
Phone 307-674-0609 Fax 307-674-0182

209 NORTH 300 WEST - VERNAL, UTAH 84078

S.L.B.&M., UINTAH COUNTY, UTAH

REVISED:





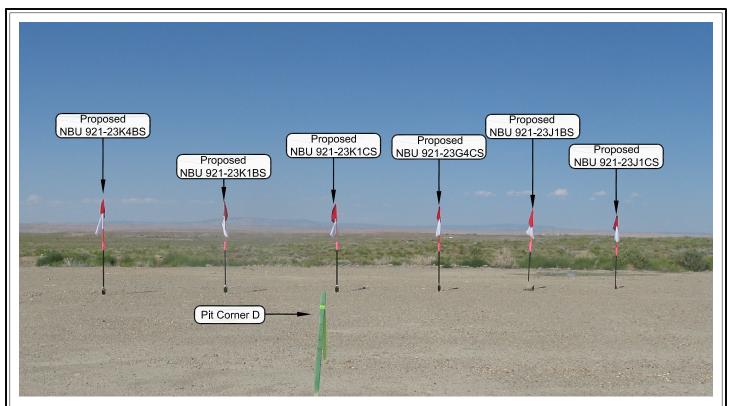


PHOTO VIEW: FROM PIT CORNER D TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

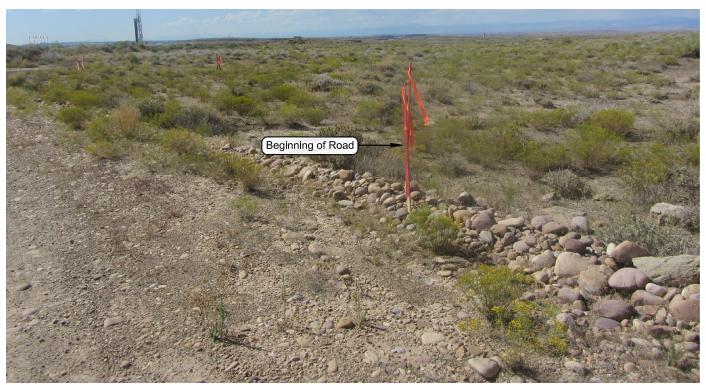


PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: NORTHWESTERLY

Kerr-McGee Oil & Gas Onshore, LP 1099 18th Street - Denver, Colorado 80202

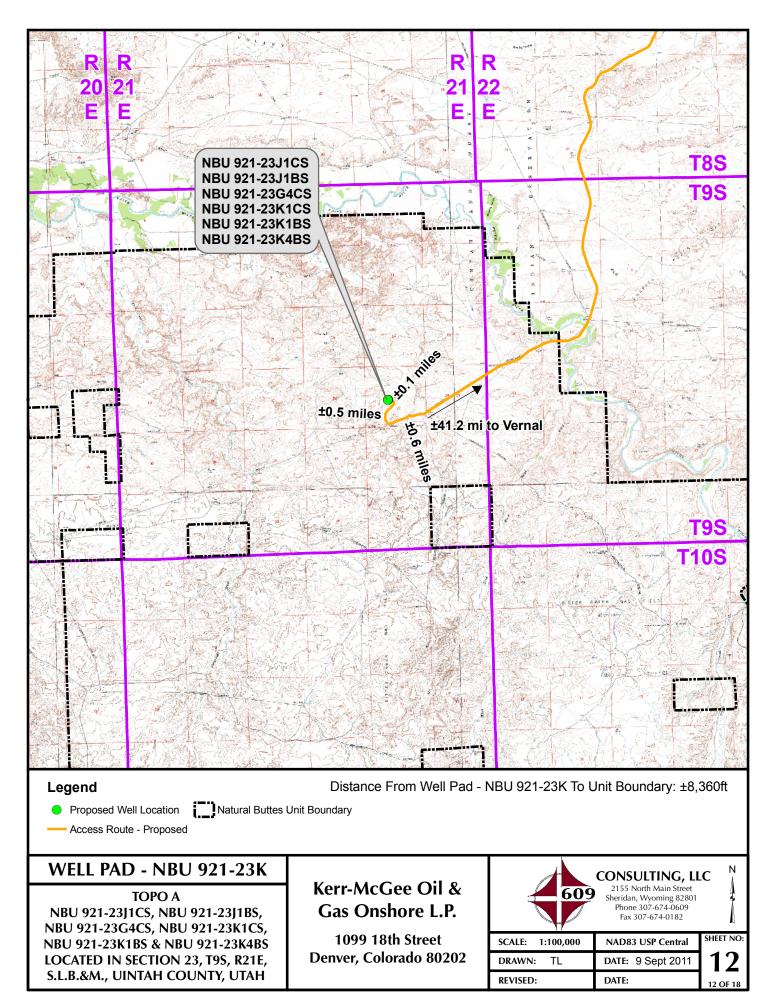
WELL PAD - NBU 921-23K

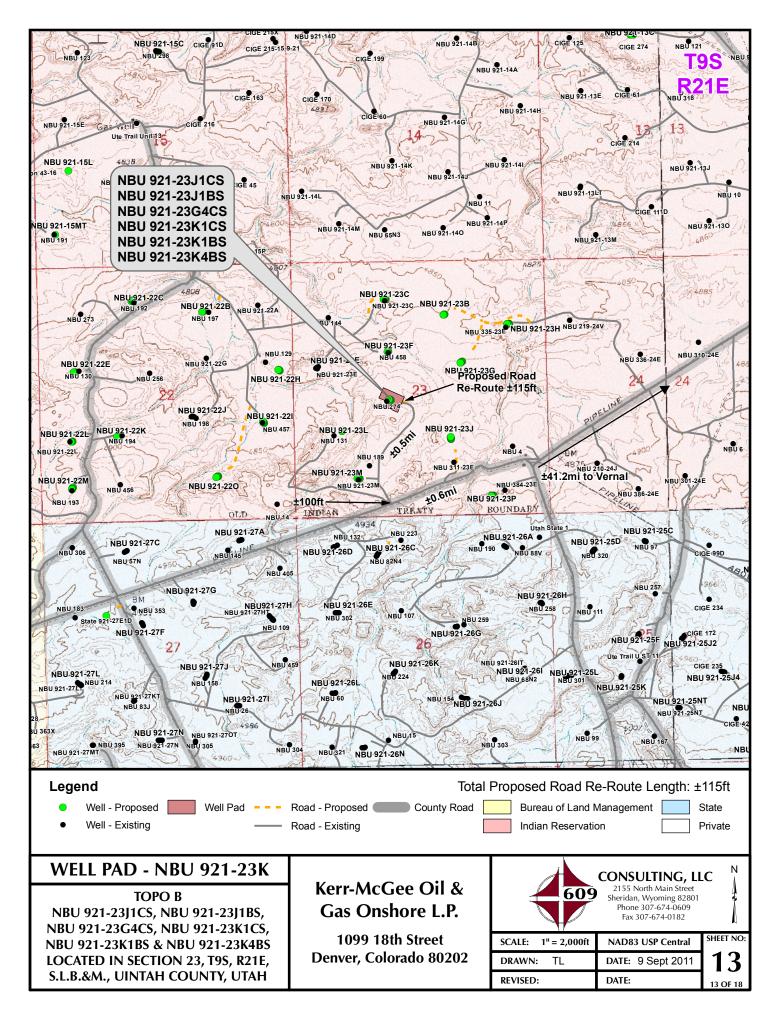
LOCATION PHOTOS
NBU 921-23J1CS, NBU 921-23J1BS,
NBU 921-23G4CS, NBU 921-23K1CS,
NBU 921-23K1BS & NBU 921-23K4BS
LOCATED IN SECTION 23, T9S, R21E,
S.L.B.&M., UINTAH COUNTY, UTAH.

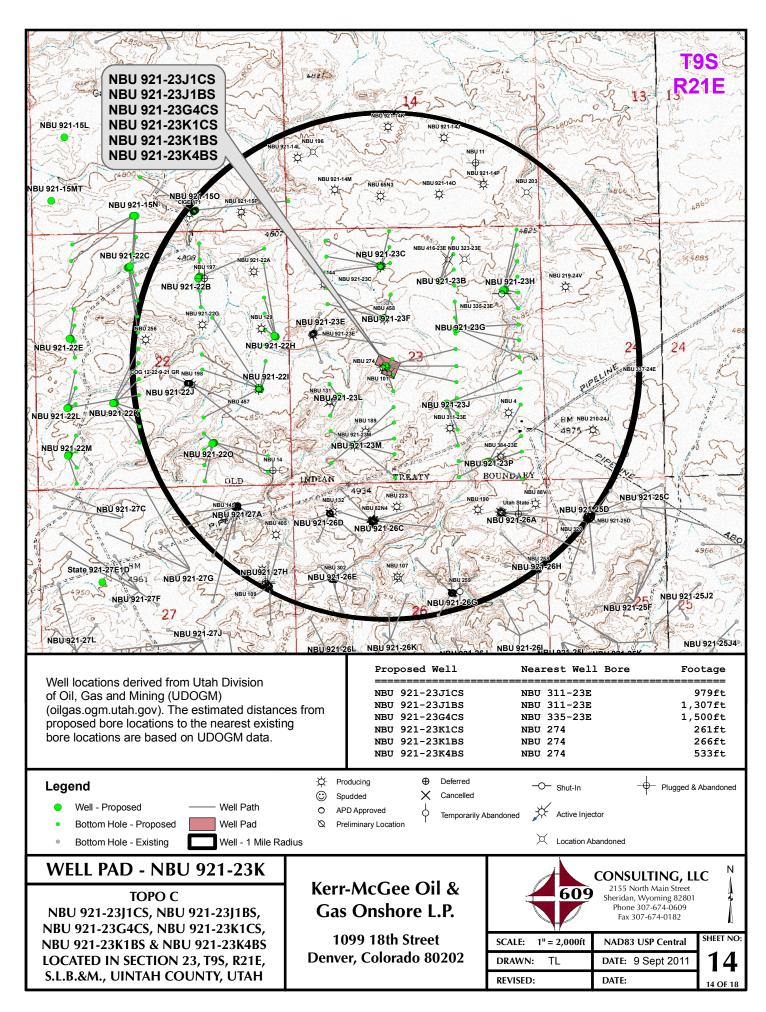


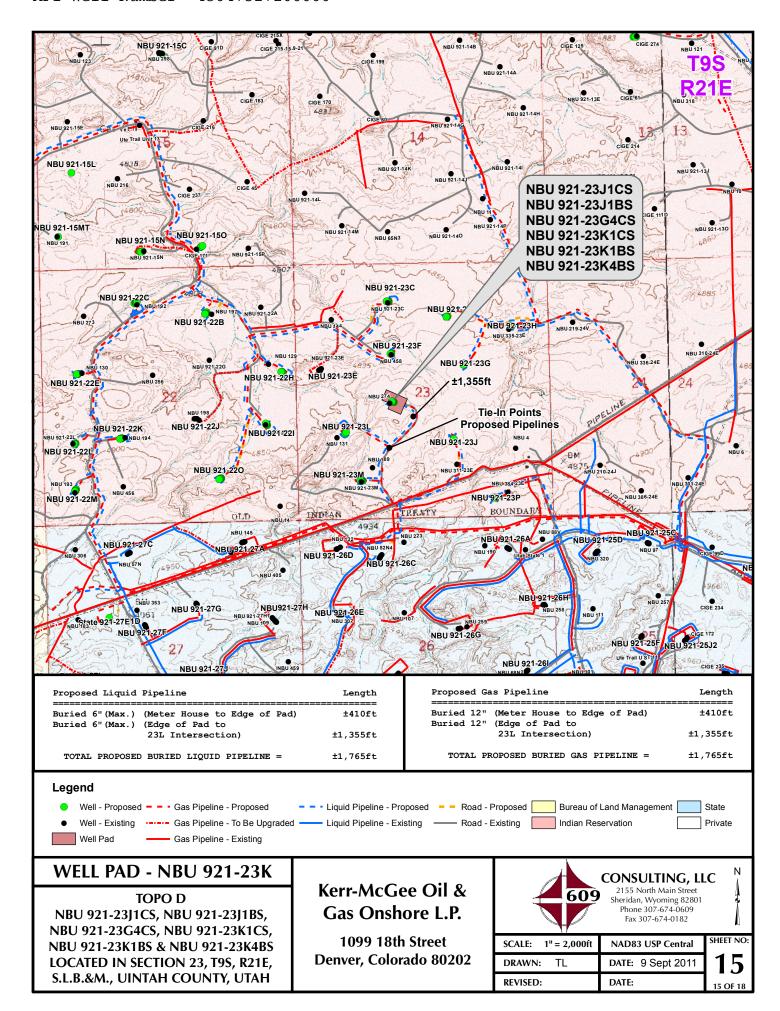
CONSULTING, LLC 2155 North Main Street Sheridan WY 82801 Phone 307-674-0609 Fax 307-674-0182

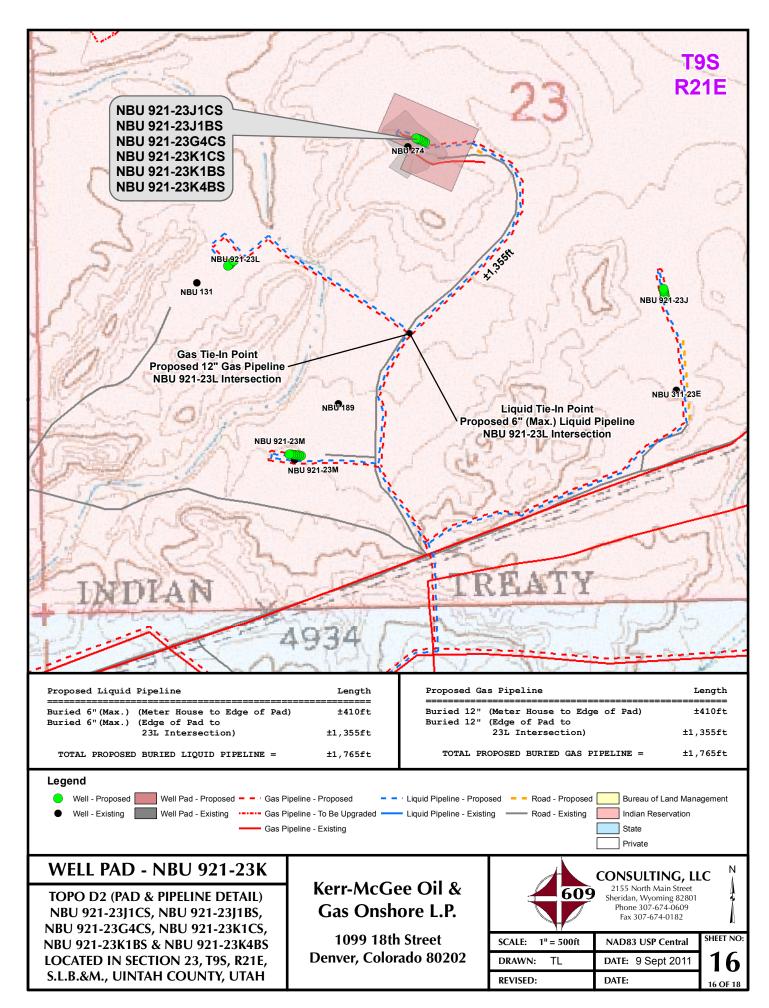
1	TIMBERLIN	JE (4	135) 789-1365
		& LAND SURVEYING West - vernal, utah 84	
	DATE PHOTOS TAKEN: 7-19-11	PHOTOS TAKEN BY: D.J.S.	SHEET NO:
	DATE DRAWN: 8-18-11	DRAWN BY: T.J.R.] 11
	Date Last Revised:		11 OF 18

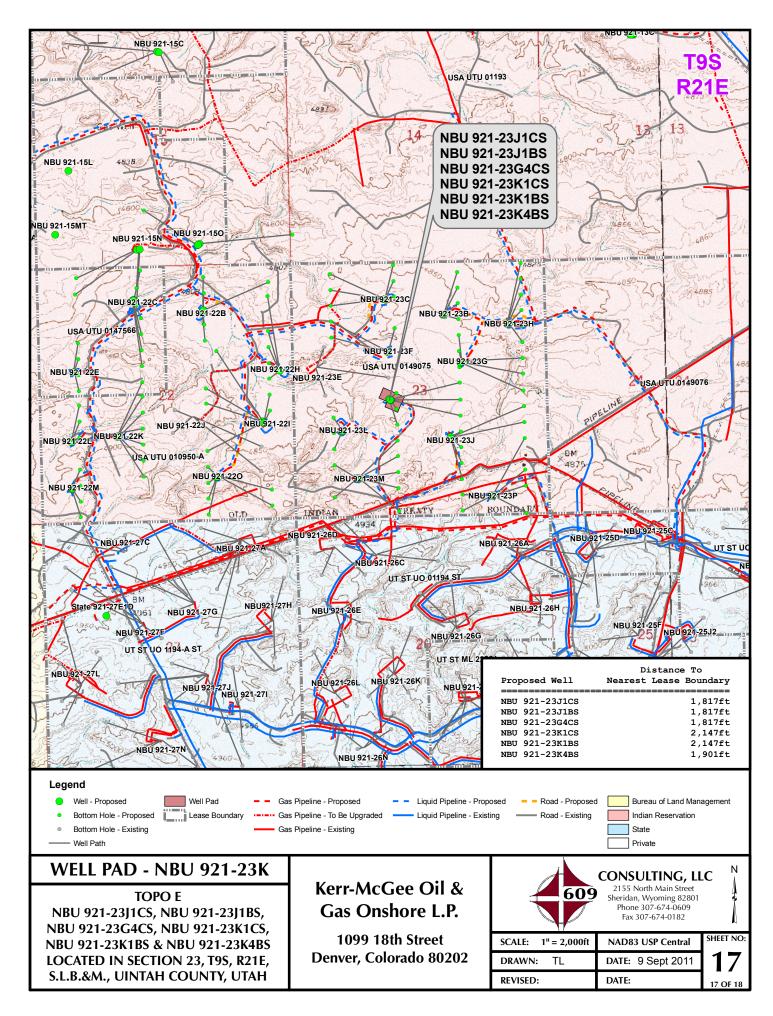












Kerr-McGee Oil & Gas Onshore, LP WELL PAD - NBU 921-23K WELLS - NBU 921-23J1CS, NBU 921-23J1BS, NBU 921-23G4CS, NBU 921-23K1CS, NBU 921-23K1BS & NBU 921-23K4BS Section 23, T9S, R21E, S.L.B.&M.

From the intersection of U.S. Highway 40 and 500 East Street in Vernal, Utah, proceed in an easterly, then southerly direction along U.S. Highway 40 approximately 3.3 miles to the junction of State Highway 45. Exit right and proceed in a southerly direction along State Highway 45 approximately 20.2 miles to the junction of the Glen Bench Road (County B Road 3260). Exit right and proceed in a southwesterly direction along the Glen Bench Road approximately 17.7 miles to a Class D County Road to the southwest. Exit right and proceed in a southwesterly direction along the Class D County Road approximately 0.6 miles to a service road to the northwest. Exit right and proceed in a northwesterly direction along the service road approximately 100 feet to a second service road to the north. Exit right and proceed in a northerly, northeasterly then northwesterly direction along the second service road approximately 0.5 miles to the proposed access road. Follow road flags in a northwesterly direction approximately 115 feet to the proposed well location.

Total distance from Vernal, Utah to the proposed well location is approximately 42.3 miles in a southerly direction.

SHEET 18 OF 18

API Well Number: 43047 520726 COTTAG - UTM (feet), NAD27, Zone 12N

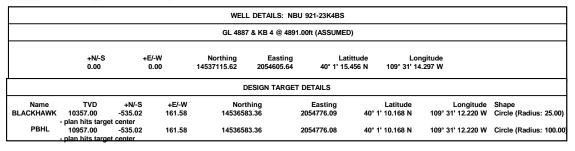
Scientific Drilling
Rocky Mountain Operations

Site: NBU 921-23K PAD Well: NBU 921-23K4BS

Wellbore: OH

Design: PLAN #1 PRELIMINARY

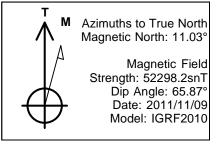




1500

Vertical Section at 163.20° (1500 ft/in)

2250

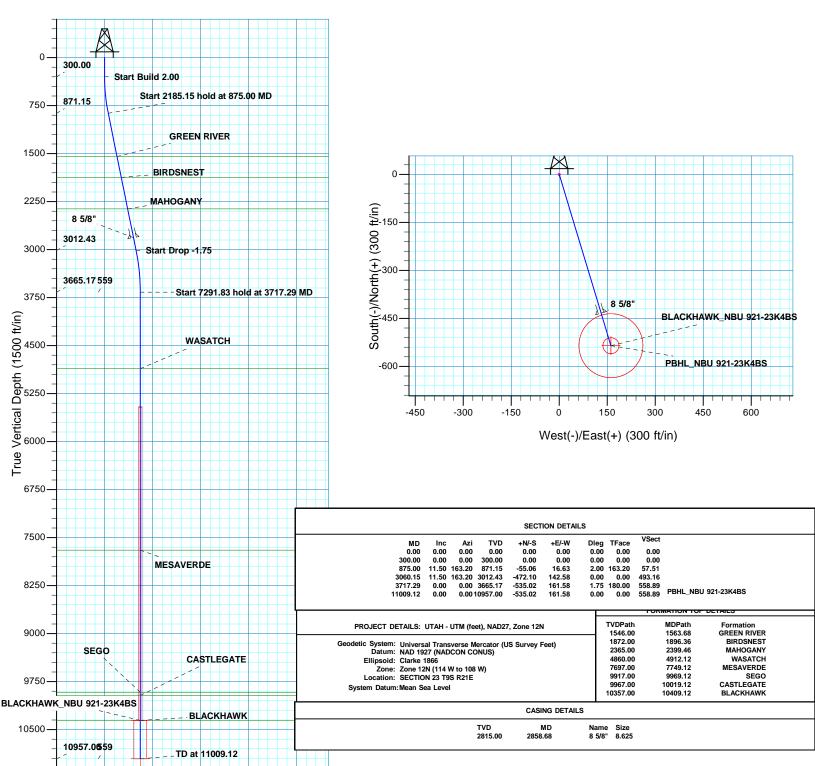


Plan: PLAN #1 PRELIMINARY (NBU 921-23K4BS/OH)

Date: 12:53, December 28 2011

Created By: RobertScott

RECEI





US ROCKIES REGION PLANNING

UTAH - UTM (feet), NAD27, Zone 12N NBU 921-23K PAD NBU 921-23K4BS

OH

Plan: PLAN #1 PRELIMINARY

Standard Planning Report

28 December, 2011





SDIPlanning Report



Database: EDM5000-RobertS-Local

Company: US ROCKIES REGION PLANNING
Project: UTAH - UTM (feet), NAD27, Zone 12N

 Site:
 NBU 921-23K PAD

 Well:
 NBU 921-23K4BS

Wellbore: OH

Design: PLAN #1 PRELIMINARY

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well NBU 921-23K4BS

GL 4887 & KB 4 @ 4891.00ft (ASSUMED) GL 4887 & KB 4 @ 4891.00ft (ASSUMED)

True

Minimum Curvature

Project UTAH - UTM (feet), NAD27, Zone 12N

Map System: Universal Transverse Mercator (US Survey Feet)

 Geo Datum:
 NAD 1927 (NADCON CONUS)

 Map Zone:
 Zone 12N (114 W to 108 W)

Mean Sea Level

Site NBU 921-23K PAD, SECTION 23 T9S R21E

Northing: 14,537,103.69 usft Site Position: Latitude: 40° 1' 15.334 N From: Lat/Long Easting: 2,054,633.00 usft Longitude: 109° 31' 13.948 W **Position Uncertainty:** 0.00 ft Slot Radius: **Grid Convergence:** 0.95 13.200 in

System Datum:

Well NBU 921-23K4BS, 2435 FSL 1986 FWL

 Well Position
 +N/-S
 12.38 ft
 Northing:
 14,537,115.62 usft
 Latitude:
 40° 1' 15.456 N

 +E/-W
 -27.16 ft
 Easting:
 2,054,605.64 usft
 Longitude:
 109° 31' 14.297 W

Position Uncertainty 0.00 ft Wellhead Elevation: Ground Level: 4,887.00 ft

Wellbore ОН Magnetics **Model Name** Sample Date Declination Dip Angle Field Strength (nT) (°) (°) IGRF2010 2011/11/09 11.04 65.87 52.298

PLAN #1 PRELIMINARY Design Audit Notes: Version: Phase: PLAN Tie On Depth: 0.00 Vertical Section: Depth From (TVD) +N/-S +E/-W Direction (ft) (ft) (ft) (°) 0.00 0.00 0.00 163.20

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
875.00	11.50	163.20	871.15	-55.06	16.63	2.00	2.00	0.00	163.20	
3,060.15	11.50	163.20	3,012.43	-472.10	142.58	0.00	0.00	0.00	0.00	
3,717.29	0.00	0.00	3,665.17	-535.02	161.58	1.75	-1.75	0.00	180.00	
11,009.12	0.00	0.00	10,957.00	-535.02	161.58	0.00	0.00	0.00	0.00 PE	HL_NBU 921-23k





Database: EDM5000-RobertS-Local

Company: US ROCKIES REGION PLANNING
Project: UTAH - UTM (feet), NAD27, Zone 12N

 Site:
 NBU 921-23K PAD

 Well:
 NBU 921-23K4BS

Wellbore: OH

Design: PLAN #1 PRELIMINARY

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well NBU 921-23K4BS

GL 4887 & KB 4 @ 4891.00ft (ASSUMED) GL 4887 & KB 4 @ 4891.00ft (ASSUMED)

True

esign:	PLAN #1 PRE	LIMINARY							
lanned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00 100.00 200.00 300.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 100.00 200.00 300.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
Start Build 2.0 400.00 500.00	2.00 4.00	163.20 163.20	399.98 499.84	-1.67 -6.68	0.50 2.02	1.75 6.98	2.00 2.00	2.00 2.00	0.00 0.00
600.00 700.00 800.00 875.00 Start 2185.15	6.00 8.00 10.00 11.50 hold at 875.00	163.20 163.20 163.20 163.20	599.45 698.70 797.47 871.15	-15.02 -26.69 -41.66 -55.06	4.54 8.06 12.58 16.63	15.69 27.88 43.52 57.51	2.00 2.00 2.00 2.00	2.00 2.00 2.00 2.00	0.00 0.00 0.00 0.00
900.00	11.50	163.20	895.65	-59.83	18.07	62.50	0.00	0.00	0.00
1,000.00 1,100.00 1,200.00 1,300.00	11.50 11.50 11.50 11.50	163.20 163.20 163.20 163.20	993.64 1,091.63 1,189.62 1,287.62	-78.91 -98.00 -117.08 -136.17	23.83 29.60 35.36 41.12	82.43 102.37 122.31 142.24	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
1,400.00 1,500.00 1,563.68	11.50 11.50 11.50	163.20 163.20 163.20	1,385.61 1,483.60 1,546.00	-155.25 -174.34 -186.49	46.89 52.65 56.32	162.18 182.12 194.81	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
GREEN RIVER									
1,600.00 1,700.00	11.50 11.50	163.20 163.20	1,581.59 1,679.58	-193.42 -212.51	58.42 64.18	202.05 221.99	0.00 0.00	0.00 0.00	0.00 0.00
1,800.00 1,896.36	11.50 11.50	163.20 163.20	1,777.58 1,872.00	-231.60 -249.99	69.94 75.50	241.93 261.14	0.00 0.00	0.00 0.00	0.00 0.00
BIRDSNEST			.,						
1,900.00 2,000.00 2,100.00	11.50 11.50 11.50	163.20 163.20 163.20	1,875.57 1,973.56 2,071.55	-250.68 -269.77 -288.85	75.71 81.47 87.23	261.86 281.80 301.74	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
2,200.00 2,300.00 2,399.46	11.50 11.50 11.50	163.20 163.20 163.20	2,169.55 2,267.54 2,365.00	-307.94 -327.02 -346.00	93.00 98.76 104.50	321.67 341.61 361.44	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
MAHOGANY 2,400.00	11.50	163.20	2,365.53	-346.11	104.53	361.55	0.00	0.00	0.00
2,500.00	11.50	163.20	2,463.52	-365.19	110.29	381.48	0.00	0.00	0.00
2,600.00 2,700.00 2,800.00 2,858.68	11.50 11.50 11.50 11.50	163.20 163.20 163.20 163.20	2,561.52 2,659.51 2,757.50 2,815.00	-384.28 -403.36 -422.45 -433.65	116.05 121.82 127.58 130.96	401.42 421.36 441.29 452.99	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
8 5/8" 2,900.00	11.50	163.20	2,855.49	-441.54	133.35	461.23	0.00	0.00	0.00
3,000.00 3,060.15	11.50 11.50	163.20 163.20	2,953.49 3,012.43	-460.62 -472.10	139.11 142.58	481.17 493.16	0.00 0.00	0.00 0.00	0.00 0.00
Start Drop -1.			-,		,				2.44
3,100.00 3,200.00 3,300.00	10.80 9.05 7.30	163.20 163.20 163.20	3,051.53 3,150.03 3,249.01	-479.48 -495.98 -509.60	144.81 149.79 153.90	500.87 518.11 532.33	1.75 1.75 1.75	-1.75 -1.75 -1.75	0.00 0.00 0.00
3,400.00 3,500.00 3,600.00 3,700.00	5.55 3.80 2.05 0.30	163.20 163.20 163.20 163.20	3,348.37 3,448.04 3,547.90 3,647.88	-520.31 -528.12 -533.01 -534.98	157.14 159.50 160.97 161.57	543.52 551.68 556.79 558.84	1.75 1.75 1.75 1.75	-1.75 -1.75 -1.75 -1.75	0.00 0.00 0.00 0.00
3,717.29 Start 7291.83	0.00 hold at 3717.29	0.00 MD	3,665.17	-535.02	161.58	558.89	1.75	-1.75	0.00





Database: EDM5000-RobertS-Local

Company: US ROCKIES REGION PLANNING
Project: UTAH - UTM (feet), NAD27, Zone 12N

 Site:
 NBU 921-23K PAD

 Well:
 NBU 921-23K4BS

Wellbore: OH

Design: PLAN #1 PRELIMINARY

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well NBU 921-23K4BS

GL 4887 & KB 4 @ 4891.00ft (ASSUMED) GL 4887 & KB 4 @ 4891.00ft (ASSUMED)

True

Design:	FLAN#1FRE								
Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,800.00	0.00	0.00	3,747.88	-535.02	161.58	558.89	0.00	0.00	0.00
3,900.00	0.00	0.00	3,847.88	-535.02	161.58	558.89	0.00	0.00	0.00
4,000.00	0.00	0.00	3,947.88	-535.02	161.58	558.89	0.00	0.00	0.00
4,100.00	0.00	0.00	4,047.88	-535.02	161.58	558.89	0.00	0.00	0.00
4,200.00	0.00	0.00	4,147.88	-535.02	161.58	558.89	0.00	0.00	0.00
4,300.00	0.00	0.00	4,247.88	-535.02	161.58	558.89	0.00	0.00	0.00
4,400.00	0.00	0.00	4,347.88	-535.02	161.58	558.89	0.00	0.00	0.00
4,500.00	0.00	0.00	4,447.88	-535.02	161.58	558.89	0.00	0.00	0.00
4,600.00	0.00	0.00	4,547.88	-535.02	161.58	558.89	0.00	0.00	0.00
4,700.00	0.00	0.00	4,647.88	-535.02	161.58	558.89	0.00	0.00	0.00
4,800.00 4,900.00 4,912.12 WASATCH	0.00 0.00 0.00	0.00 0.00 0.00	4,747.88 4,847.88 4,860.00	-535.02 -535.02 -535.02	161.58 161.58 161.58	558.89 558.89 558.89	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
5,000.00	0.00	0.00	4,947.88	-535.02	161.58	558.89	0.00	0.00	0.00
5,100.00	0.00	0.00	5,047.88	-535.02	161.58	558.89	0.00	0.00	0.00
5,200.00	0.00	0.00	5,147.88	-535.02	161.58	558.89	0.00	0.00	0.00
5,300.00	0.00	0.00	5,247.88	-535.02	161.58	558.89	0.00	0.00	0.00
5,400.00	0.00	0.00	5,347.88	-535.02	161.58	558.89	0.00	0.00	0.00
5,500.00	0.00	0.00	5,447.88	-535.02	161.58	558.89	0.00	0.00	0.00
5,600.00	0.00	0.00	5,547.88	-535.02	161.58	558.89	0.00	0.00	0.00
5,700.00	0.00	0.00	5,647.88	-535.02	161.58	558.89	0.00	0.00	0.00
5,800.00	0.00	0.00	5,747.88	-535.02	161.58	558.89	0.00	0.00	0.00
5,900.00	0.00	0.00	5,847.88	-535.02	161.58	558.89	0.00	0.00	0.00
6,000.00	0.00	0.00	5,947.88	-535.02	161.58	558.89	0.00	0.00	0.00
6,100.00	0.00	0.00	6,047.88	-535.02	161.58	558.89	0.00	0.00	0.00
6,200.00	0.00	0.00	6,147.88	-535.02	161.58	558.89	0.00	0.00	0.00
6,300.00	0.00	0.00	6,247.88	-535.02	161.58	558.89	0.00	0.00	0.00
6,400.00	0.00	0.00	6,347.88	-535.02	161.58	558.89	0.00	0.00	0.00
6,500.00	0.00	0.00	6,447.88	-535.02	161.58	558.89	0.00	0.00	0.00
6,600.00	0.00	0.00	6,547.88	-535.02	161.58	558.89	0.00	0.00	0.00
6,700.00	0.00	0.00	6,647.88	-535.02	161.58	558.89	0.00	0.00	0.00
6,800.00	0.00	0.00	6,747.88	-535.02	161.58	558.89	0.00	0.00	0.00
6,900.00	0.00	0.00	6,847.88	-535.02	161.58	558.89	0.00	0.00	0.00
7,000.00	0.00	0.00	6,947.88	-535.02	161.58	558.89	0.00	0.00	0.00
7,100.00	0.00	0.00	7,047.88	-535.02	161.58	558.89	0.00	0.00	0.00
7,200.00	0.00	0.00	7,147.88	-535.02	161.58	558.89	0.00	0.00	0.00
7,300.00	0.00	0.00	7,247.88	-535.02	161.58	558.89	0.00	0.00	0.00
7,400.00	0.00	0.00	7,347.88	-535.02	161.58	558.89	0.00	0.00	0.00
7,500.00	0.00	0.00	7,447.88	-535.02	161.58	558.89	0.00	0.00	0.00
7,600.00	0.00	0.00	7,547.88	-535.02	161.58	558.89	0.00	0.00	0.00
7,700.00 7,749.12 MESAVERDE	0.00 0.00	0.00 0.00	7,647.88 7,697.00	-535.02 -535.02	161.58 161.58	558.89 558.89	0.00 0.00	0.00 0.00	0.00 0.00
7,800.00	0.00	0.00	7,747.88	-535.02	161.58	558.89	0.00	0.00	0.00
7,900.00	0.00	0.00	7,847.88	-535.02	161.58	558.89	0.00	0.00	0.00
8,000.00	0.00	0.00	7,947.88	-535.02	161.58	558.89	0.00	0.00	0.00
8,100.00	0.00	0.00	8,047.88	-535.02	161.58	558.89	0.00	0.00	0.00
8,200.00	0.00	0.00	8,147.88	-535.02	161.58	558.89	0.00	0.00	0.00
8,300.00	0.00	0.00	8,247.88	-535.02	161.58	558.89	0.00	0.00	0.00
8,400.00	0.00	0.00	8,347.88	-535.02	161.58	558.89	0.00	0.00	0.00
8,500.00	0.00	0.00	8,447.88	-535.02	161.58	558.89	0.00	0.00	0.00
8,600.00	0.00	0.00	8,547.88	-535.02	161.58	558.89	0.00	0.00	0.00
8,700.00	0.00	0.00	8,647.88	-535.02	161.58	558.89	0.00	0.00	0.00





Database: Company:

EDM5000-RobertS-Local

US ROCKIES REGION PLANNING UTAH - UTM (feet), NAD27, Zone 12N

Project: NBU 921-23K PAD

Site: Well: NBU 921-23K4BS

Wellbore: ОН

Design: PLAN #1 PRELIMINARY Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well NBU 921-23K4BS

GL 4887 & KB 4 @ 4891.00ft (ASSUMED) GL 4887 & KB 4 @ 4891.00ft (ASSUMED)

True

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,800.00	0.00	0.00	8,747.88	-535.02	161.58	558.89	0.00	0.00	0.00
8,900.00	0.00	0.00	8,847.88	-535.02	161.58	558.89	0.00	0.00	0.00
9,000.00	0.00	0.00	8,947.88	-535.02	161.58	558.89	0.00	0.00	0.00
9,100.00	0.00	0.00	9,047.88	-535.02	161.58	558.89	0.00	0.00	0.00
9,200.00	0.00	0.00	9,147.88	-535.02	161.58	558.89	0.00	0.00	0.00
9,300.00	0.00	0.00	9,247.88	-535.02	161.58	558.89	0.00	0.00	0.00
9,400.00	0.00	0.00	9,347.88	-535.02	161.58	558.89	0.00	0.00	0.00
9,500.00	0.00	0.00	9,447.88	-535.02	161.58	558.89	0.00	0.00	0.00
9,600.00	0.00	0.00	9,547.88	-535.02	161.58	558.89	0.00	0.00	0.00
9,700.00	0.00	0.00	9,647.88	-535.02	161.58	558.89	0.00	0.00	0.00
9,800.00	0.00	0.00	9,747.88	-535.02	161.58	558.89	0.00	0.00	0.00
9,900.00	0.00	0.00	9,847.88	-535.02	161.58	558.89	0.00	0.00	0.00
9,969.12	0.00	0.00	9,917.00	-535.02	161.58	558.89	0.00	0.00	0.00
SEGO									
10,000.00	0.00	0.00	9,947.88	-535.02	161.58	558.89	0.00	0.00	0.00
10,019.12	0.00	0.00	9,967.00	-535.02	161.58	558.89	0.00	0.00	0.00
CASTLEGAT									
10,100.00	0.00	0.00	10,047.88	-535.02	161.58	558.89	0.00	0.00	0.00
10,200.00	0.00	0.00	10,147.88	-535.02	161.58	558.89	0.00	0.00	0.00
10,300.00	0.00	0.00	10,247.88	-535.02	161.58	558.89	0.00	0.00	0.00
10,400.00	0.00	0.00	10,347.88	-535.02	161.58	558.89	0.00	0.00	0.00
10,409.12	0.00	0.00	10,357.00	-535.02	161.58	558.89	0.00	0.00	0.00
	K - BLACKHAW								
10,500.00	0.00	0.00	10,447.88	-535.02	161.58	558.89	0.00	0.00	0.00
10,600.00	0.00	0.00	10,547.88	-535.02	161.58	558.89	0.00	0.00	0.00
10,700.00	0.00	0.00	10,647.88	-535.02	161.58	558.89	0.00	0.00	0.00
10,800.00	0.00	0.00	10,747.88	-535.02	161.58	558.89	0.00	0.00	0.00
10,900.00	0.00	0.00	10,847.88	-535.02	161.58	558.89	0.00	0.00	0.00
11,000.00	0.00	0.00	10,947.88	-535.02	161.58	558.89	0.00	0.00	0.00
11,009.12	0.00	0.00	10,957.00	-535.02	161.58	558.89	0.00	0.00	0.00

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BLACKHAWK_NBU 921 - plan hits target cent - Circle (radius 25.00)		0.00	10,357.00	-535.02	161.58	14,536,583.36	2,054,776.08	40° 1' 10.168 N	109° 31' 12.220 W
PBHL_NBU 921-23K4B\$ - plan hits target cent - Circle (radius 100.00		0.00	10,957.00	-535.02	161.58	14,536,583.36	2,054,776.08	40° 1' 10.168 N	109° 31' 12.220 W

Casing Points					
	Measured	Vertical		Casing	Hole
	Depth	Depth		Diameter	Diameter
	(ft)	(ft)	Name	(in)	(in)
	2,858.68	2,815.00 8 5	н	8.625	11.000





Database: EDM5000-RobertS-Local Company: US ROCKIES REGION P

US ROCKIES REGION PLANNING UTAH - UTM (feet), NAD27, Zone 12N

 Site:
 NBU 921-23K PAD

 Well:
 NBU 921-23K4BS

Wellbore: OH

Project:

Design: PLAN #1 PRELIMINARY

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well NBU 921-23K4BS

GL 4887 & KB 4 @ 4891.00ft (ASSUMED) GL 4887 & KB 4 @ 4891.00ft (ASSUMED)

True

rmations						
	Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	1,563.68	1,546.00	GREEN RIVER			
	1,896.36	1,872.00	BIRDSNEST			
	2,399.46	2,365.00	MAHOGANY			
	4,912.12	4,860.00	WASATCH			
	7,749.12	7,697.00	MESAVERDE			
	9,969.12	9,917.00	SEGO		0.00	
	10,019.12	9,967.00	CASTLEGATE		0.00	
	10,409.12	10,357.00	BLACKHAWK		0.00	

Plan Annotations				
Measured	Vertical	Local Coor	dinates	
Depth	Depth	+N/-S	+E/-W	
(ft)	(ft)	(ft)	(ft)	Comment
300.00	300.00	0.00	0.00	Start Build 2.00
875.00	871.15	-55.06	16.63	Start 2185.15 hold at 875.00 MD
3,060.15	3,012.43	-472.10	142.58	Start Drop -1.75
3,717.29	3,665.17	-535.02	161.58	Start 7291.83 hold at 3717.29 MD
11,009.12	10,957.00	-535.02	161.58	TD at 11009.12

NBU 921-23G4CS/ 921-23J1BS/ 921-23J1CS/ 921-23K1BS 921-23K1CS/ 921-23K4BS Kerr-McGee Oil Gas Onshore, L.P. NBU 921-23K Pad Surface Use Plan of Operations 1 of 13

Kerr-McGee Oil & Gas Onshore. L.P.

NBU 921-23K Pad

<u>API #</u>	NBU 92	21-23G4CS	
	Surface: 2423	FSL / 2013 FWL NESW	Lot
	BHL: 2559	FNL / 1817 FEL SWNE	Lot
<u>API #</u>	NBU 92	21-23J1BS	
	Surface: 2419	FSL / 2022 FWL NESW	Lot
	BHL: 2395	FSL / 1817 FEL NWSE	Lot
<u>API #</u>	NBU 92	21-23J1CS	
	Surface: 2415	FSL / 2032 FWL NESW	Lot
	BHL: 2064	FSL / 1817 FEL NWSE	Lot
<u>API #</u>	NBU 92	21-23K1BS	
	Surface: 2431	FSL / 1995 FWL NESW	Lot
	BHL: 2563	FSL / 2147 FWL NESW	Lot
<u>API #</u>	NBU 92	21-23K1CS	
	Surface: 2427	FSL / 2004 FWL NESW	Lot
	BHL: 2232	FSL / 2147 FWL NESW	Lot
<u>API #</u>	NBU 92	21-23K4BS	
	Surface: 2435	FSL / 1986 FWL NESW	Lot
	BHL: 1901	FSL / 2148 FWL NESW	Lot

This Surface Use Plan of Operations (SUPO) or 13-point plan provides site-specific information for the above-referenced wells.

In accordance with Utah Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling, these wells will be directionally drilled. Refer to Topo Map A for directions to the location and Topo Maps A and B for location of access roads within a 2-mile radius.

An on-site meeting was held on October 3-4, 2011. Present were:

- · Bucky Secakuku (10/4/2011 only) BIA;
- · LeAllen Blackhair, Rainey Longhair Ute Indian Tribe;
- · Kelly Jo Jackson Montgomery Archeological Consultants Inc.;
- · Scott Carson Smiling Lake Consulting;
- John Slaugh, Mitch Batty Timberline Engineering & Land Surveying, Inc.;
- Laura Abrams, Charles Chase, Raleen White, Doyle Holmes, Lovel Young, Sheila Wopsock Kerr-McGee

A. Existing Roads:

Existing roads consist of county and improved/unimproved access roads (two-tracks). In accordance with Onshore Order #1, Kerr-McGee will, in accordance with BMPs, improve or maintain existing roads in a condition that is the same as or better than before operations began. New or reconstructed proposed access roads are discussed in Section B.

NBU 921-23G4CS/ 921-23J1BS/ 921-23J1CS/ 921-23K1BS 921-23K1CS/ 921-23K4BS Kerr-McGee Oil Gas Onshore, L.P. NBU 921-23K Pad Surface Use Plan of Operations 2 of 13

The existing roads will be maintained in a safe and usable condition. Maintenance for existing roads will continue until final abandonment and reclamation of well pads and/or other facilities, as applicable. Road maintenance will include, but is not limited to, blading, ditching, and/or culvert installation and cleanout. To ensure safe operating conditions, gravel surfacing will be performed where excessive rutting or erosion may occur. Dust control will be performed as necessary to ensure safe operating conditions.

Roads, gathering lines and electrical distribution lines will occupy common disturbance corridors where possible. Where available, roadways will be used as the staging area and working space for installation of gathering lines. All disturbances located in the same corridor will overlap each other to the maximum extent possible, while maintaining safe and sound construction and installation practices. Unless otherwise approved or requested in site specific documents, in no case will the maximum disturbance widths of the access road and utility corridors exceed the widths specified in Part D of this document.

Please refer to Topo B, for existing roads.

B. New or Reconstructed Access Roads:

All new or reconstructed roads will be located, designed, and maintained to meet the standards of the BIA.

Each new well pad or pad expansion may require construction of a new access road and/or de-commissioning of an older road. Plans, routes, and distances for new roads and road improvements are provided in design packages, exhibits and maps for a project. Project-specific maps are submitted to depict the locations of existing, proposed, and/or decommissioned and include the locations for supporting structures, including, but not limited to, culverts, bridges, low water crossings, range infrastructure, and haul routes, as per OSO 1. Designs for cuts and fills, including spoils source and storage areas, are provided with the road designs, as necessary.

Where safety objectives can be met. As applicable, Kerr-McGee may use unimproved and/or two-track roads for lease operations, to lessen total disturbance.

Road designs will be based on the road safety requirements, traffic characteristics, environmental conditions, and the vehicles the road is intended to carry. Generally, newly constructed unpaved lease roads will be crowned and ditched with the running surfaces of the roads approximately 12-18 feet wide and a total road corridor width not to exceed 45 feet, except where noted in the road design for a specific project. Maximum grade will generally not exceed 8%. Borrow ditches will be back sloped 3:1 or less. Construction BMPs will be employed to control onsite and offsite erosion.

Where topography would direct storm water runoff to an access road or well pad, drainage ditches or other common drainage control facilities, such as V- or wing-ditches, will be constructed to divert surface water runoff. Drainage features, including culverts, will be constructed or installed prior to commencing other operations, including drilling or facilities placement. Riprap will be placed at the inlet and outlet at the culvert(s), as necessary.

Prior to construction, new access road(s) will be staked according to the requirements of OSO 1. Construction activity will not be conducted using frozen or saturated materials or during periods when significant watershed damage (e.g. rutting, extensive sheet soil erosion, formation of rills/gullies, etc.) is likely to occur. Vegetative debris will not be placed in or under fill embankments.

NBU 921-23G4CS/ 921-23J1BS/ 921-23J1CS/ 921-23K1BS 921-23K1CS/ 921-23K4BS Kerr-McGee Oil Gas Onshore, L.P.

NBU 921-23K Pad Surface Use Plan of Operations 3 of 13

New road maintenance will include, but is not limited to, blading, ditching, culvert installation and cleanout, gravel surfacing where excessive rutting or erosion may occur and dust control, as necessary to ensure safe operating conditions. All vehicular traffic, personnel movement, construction/restoration operations will be confined to the approved area and to existing roadways and/or access routes.

Snow removal will be conducted on an as-needed basis to accommodate safe travel. Snow removal will occur as necessary throughout the year, as will necessary drainage ditch construction. Removed snow may be stored on permitted well pads to reduce hauling distances and/or at the aerial extent of approved disturbance boundaries to facilitate snow removal for the remainder of the season.

If a county road crossing or encroachment permit is needed, it will be obtained prior to construction.

The following segments will require a ROW to be submitted under a different cover to the Ute Indian Tribe.

±115' (0.02 miles) – Section 23 T9S R21E (SW/4) – On-lease UTU0149075, Ute Indian Tribe surface, from the edge of the pad re-routed south to the existing access road. Please refer to Topo B.

Location of Existing Wells:

A) Refer to Topo Map C.

D. Location of Existing and/or Proposed Facilities:

This pad will expand the existing pad for the NBU 274, which is a producing gas well according to Utah Division of Oil, Gas and Mining (UDOGM) records on November 7, 2011. Gathering (pipeline) infrastructure will be utilized to collect and transport gas and fluids from the wells which are owned and operated by Kerr McGee Oil and Gas Onshore LP (Kerr-McGee).

Should the well(s) prove productive, production facilities will be installed on the disturbed portion of each well pad. A berm will be constructed completely around production components (typically excluding dehy's and/or separators) that contain fluids (i.e. production tanks, produced liquids tanks). The berms will generally be constructed of compacted subsoil or corrugated metal, and will hold the capacity of the largest tank and have sufficient freeboard to accommodate a 25 year rainfall event. This includes pumping units. Aboveground structures constructed or installed onsite for 6 months or longer, will be painted a flat, non-reflective, earth-tone color chosen at the onsite (typically Shadow Gray). A production facility layout is provided as part of a project-specific APD, ROW or NOS submission.

GAS GATHERING
Please refer to Topo D2- Pad and Pipeline Detail.

The gas gathering pipeline material: Steel line pipe. Surface = Bare pipe. Buried = Coated with fusion bonded epoxy coating (or equivalent). The total gas gathering pipeline distance from the meter to the tie in point is $\pm 1,765$ ° and the individual segments are broken up as follows:

The following segments will require a ROW to be submitted under a different cover to the Ute Indian Tribe.

±1,765' (0.33 miles) – Section 23 T9S R21E (SW/4) – On-lease UTU0149075, Ute Indian Tribe surface, New 12" buried gas gathering pipeline from the meter to the NBU 921-23L intersection. Please refer to Topo D2 - Pad and Pipeline Detail.

NBU 921-23G4CS/ 921-23J1BS/ 921-23J1CS/ 921-23K1BS 921-23K1CS/ 921-23K4BS Kerr-McGee Oil Gas Onshore, L.P. NBU 921-23K Pad Surface Use Plan of Operations 4 of 13

LIQUID GATHERING

Please refer to Topo D2- Pad and Pipeline Detail.

The total liquid gathering pipeline distance from the separator to the tie in point is $\pm 1,765$ ' and the individual segments are broken up as follows:

The following segments will require a ROW to be submitted under a different cover to the Ute Indian Tribe.

±1,765' (0.33 miles) – Section 23 T9S R21E (SW/4) – On-lease UTU0149075, Ute Indian Tribe surface, New 6" buried liquid gathering pipeline from the meter to the NBU 921-23L intersection.

Please refer to Topo D2 - Pad and Pipeline Detail.

Pipeline Gathering Construction

Gathering (pipeline) infrastructure will be utilized to collect and transport gas and fluids from the wells which are owned and operated by Kerr McGee. Gas gathering pipeline(s,) gas lift, or liquids pipelines may be constructed to lie on the surface or be buried. Where the pipeline is adjacent to the road or well pad, the road and/or well pad will be utilized for construction activities and staging. The area of disturbance during construction from the edge of road or well pad will typically be 30' in width. Where pipelines run cross country, the width of disturbance will typically be 45 ft for buried lines and 30 ft for surface lines. In addition, Kerr-McGee requests for a permanent 30' disturbance width that will be maintained for the portion adjacent to the road. The need for the 30' permanent disturbance width is for maintenance and repairs. Cross country permanent disturbance width also are required to be 30ft.

Above-ground installation will generally not require clearing of vegetation or blading of the surface, except where safety considerations necessitate earthwork. In some surface pipeline installation instances pipe cannot be constructed where it will lay. In these cases where an above-ground pipeline is constructed parallel and adjacent to a road, it will be welded/fused on the road and then lifted from the road to the pipeline route. In other cases where a pipeline route is not parallel and adjacent to a road (cross-country between sites), it will be welded/fused in place at a well pad, access road, or designated work area and pulled between connection locations with a suitable piece of equipment.

Buried pipelines will generally be installed parallel and adjacent to existing and/or newly constructed roads and within the permitted disturbance corridor. Buried pipelines may vary from 2 inches (typically fuel gas lines) to 24 inches (typically transportation lines) in diameter, but 6 to 16 inches is typical for a buried gas line. The diameter of liquids pipelines may vary from 2 inches to 12 inches, but 6 inches is the typical diameter. Gas lift lines may vary from 2 to 12 inches in diameter, but 6-inch diameter pipes are generally used for gas lift. If two or more pipelines are present (gas gathering, gas lift, and fluids), they will share a common trench where possible.

Typically, to install a buried pipeline, topsoil will be removed, windrowed and placed on the non-working side of the route for later reclamation. Because working room is limited, the spoil may be spread out across the working side and construction will take place on the spoil. The working side of the corridor will be used for pipe stringing, bending, welding and equipment travel. Small areas on the working side displaying ruts or uneven ground will be groomed to facilitate the safe passage of equipment. After the pipelines are installed, spoil will be placed back into the trench, and the topsoil will be redistributed over the disturbed corridor prior to final reclamation. Typical depth of the trench will be 6 feet, but depths may vary according to site-specific conditions (presence of bedrock, etc.). The proposed trench width for the pipeline would range from 18-48 inches.

The pipeline will be welded along the proposed route and lowered into place. Trenching equipment will cut through the soil or into the bedrock and create good backfill, eliminating the need to remove large rocks. The proposed buried pipeline will be visually and radiographically inspected and the entire pipeline will be pneumatically or hydrostatically tested before being placed into service. Routine vehicle traffic will be prevented from using pipeline routes as travel ways by posting signs at the route's intersection with an access road.

NBU 921-23G4CS/ 921-23J1BS/ 921-23J1CS/ 921-23K1BS 921-23K1CS/ 921-23K4BS Kerr-McGee Oil Gas Onshore, L.P.

NBU 921-23K Pad Surface Use Plan of Operations 5 of 13

The liquid gathering lines will be made of polyethylene or a composite polyethylene/steel or polyethylene/fiberglass that is not subject to internal or external pipe corrosion. The content of the produced fluids to be transferred by the liquid gathering system will be approximately 92% produced water and 8% condensate. Trunk line valve connections for the water gathering system will be below ground but accessible from the surface in order to prevent freezing during winter time.

If pipelines or roads encounter a drainage that could be subject to flooding or surface water during extreme precipitation events, Kerr-McGee will apply all applicable Army Corps mandates as well as the BLM's Hydraulic Considerations for Pipeline Crossings of Stream Channels (BLM Technical Note 423, April 2007). In addition, all stream and drainage crossings will be evaluated to determine the need for stream alteration permits from the State of Utah Division of Water Rights and if necessary, required permits will be secured. Similarly, where a road or pipeline crossing exists the pipe will be butt welded and buried to a depth between 24 and 48 inches or more. Dirt roads will be cut and restored to a condition equivalent to the existing condition. All Uintah County road encroachment and crossing permits, where applicable, will be obtained prior to crossing construction. In no case will pressure testing of pipelines result in discharge of liquids to the surface.

Pipeline signs will be installed along the route to indicate the pipeline proximity, ownership, and to provide emergency contact phone numbers. Above ground valves and lateral T's will be installed at various locations for production integrity and safety purposes.

Upon completion of the proposed buried pipeline, the entire area of disturbance will be reclaimed to the standards proposed in the Green River District Reclamation Guidelines. Please refer to section J for more details regarding final reclamation.

When no longer deemed necessary by the operator, Kerr-McGee or it's successor will consult with the Vernal BIA Office before terminating of the use of the pipeline(s).

The Anadarko Completions Transportation System (ACTS) information:

Kerr-McGee will use either a closed loop drilling system that will require one pit and one storage area to be constructed on the drilling pad or a traditional drilling operation with one pit. The storage area will be used to contain only the de-watered drill cuttings and will be lined and reclaimed according to traditional pit closure standards. The pit will be constructed to allow for completion operations. The completion operations pit is lined and will be used for the wells drilled on the pad or used as part of our Anadarko Completions Transportation (ACTS) system which is discussed in more detail below. Using the closed loop drilling system will allow Kerr-McGee to decrease the amount of disturbance/footprint on location compared to a single large drilling/completion pit.

If Kerr-McGee does not use a closed loop system, it will construct a drilling reserve pit to contain drill cuttings and for use in completion operations. Depending on the location of the pit, its relation to future drilling locations, the reserve/completion pit will be utilized for the completion of the wells on that pad and/or be used as part of our ACTS system.

Kerr-McGee will use ACTS to optimize the completion processes for multiple pads across the project area which may include up to a section of development. ACTS will facilitate management of frac fluids by utilizing existing reserve pits and temporary, surface-laid aluminum liquids transfer lines between frac locations. The pit will be refurbished as follows when a traditional drill pit is used: mix and pile up drill cuttings with dry dirt, bury the original liner in the pit, walk bottom of pit with cat. Kerr-McGee will reline the pit with a 30 mil liner and double felt padding. The refurbished pit will be the same size or smaller as specified in the originally approved ROW/APD. The pit refurb will be done in a normal procedure and there will be no modification to the pit.

All four sides of the completions pit will be fenced in according to standard pit fencing procedures. Netting will be installed over all pits.

NBU 921-23G4CS/ 921-23J1BS/ 921-23J1CS/ 921-23K1BS 921-23K1CS/ 921-23K4BS Kerr-McGee Oil Gas Onshore, L.P.

NBU 921-23K Pad Surface Use Plan of Operations 6 of 13

The collected hydrocarbons will be treated and sold at approved sales facilities. A loading rack with drip containment will also be installed where water trucks would unload and load to prevent damage caused from pulling hoses in and out of the pit .

ACTS will require temporarily laying multiple 6" aluminum water transfer lines on the surface between either existing or refurbished reserve pits. The temporary aluminum transfer lines will be utilized to transport frac fluid being injected and/or recovered during the completion process and will be laid adjacent to existing access roads or pipeline corridors. Upon completion of the frac operation, the liquids transfer lines will be flushed with fresh water and purged with compressed air. The contents of the transfer lines will be flushed into a water truck for delivery to another ACTS location or a reserve pit.

The temporary ACTS lines will be permitted under a separate cover to the Ute Indian Tribe.

The volume of frac fluid transported through a water transfer line will vary, but volume is projected to be approximately 1.75 bbls per 50-foot joint. Although the maximum working pressure is 125 psig, the liquids transfer lines will be operated at a pressure of approximately 30 to 40 psig. Kerr-McGee requests to keep the netted pit open for one year from first production of the first produced well on the pad. During this time the surrounding well location completion fluids may be recycled in this pit and utilized for other frac jobs in the area. After one year Kerr-McGee will backfill the pit and reclaim. If the pit is not needed for an entire year it will be backfilled and reclaimed earlier. Kerr-McGee understands that due to the temporary nature of this system, BIA considers this a casual use situation; therefore, no permanent ROW or temporary use plan will need to be issued by the BIA.

E. Location and Types of Water Supply:

Water for drilling and completion operations will be obtained from the following sources:

Permit # 49-2307	JD Field Services	Green River- Section 15, T2N, R22E
Permit # 49-2321	R.N. Industries	White River- Section 2, T10S, R24E
Permit # 49-2319	R.N. Industries	White River- Various Sources
Permit # 49-2320	R.N. Industries	Green River- Section 33, T8S, R23E

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

F. Construction Materials:

Construction operations will typically be completed with native materials found on location. Construction materials that must be imported to the site (mineral material aggregate, soils or materials suitable for fill/surfacing) will be obtained from a nearby permitted source (described in site-specific documents). No construction materials will be removed from Tribal lands without prior approval from the BIA. A source location other than an on-location construction site will be designated either via a map or narrative within the project specific materials provided to the BIA.

G. Methods for Handling Waste:

All wastes subject to regulation will be handled in compliance with applicable laws to minimize the potential for leaks or spills to the environment. Kerr-McGee also maintains a Spill Control and Countermeasure Plan, which includes notification requirements, including the BIA, for all reportable spills of oil, produced liquids, and hazardous materials.

Any accidental release, such as a leak or spill in excess of the reportable quantity, as established by 40 CFR Part 117.3, will be reported as per the requirements of CERCLA, Section 102 B. If a release involves petroleum hydrocarbons or produced liquids, Kerr-McGee will comply with the notification requirements of NTL-3A. Drill cuttings and/or drilling fluids will be contained in the reserve/frac pit whether a closed loop system is used or not. Cuttings will be buried in pit(s) upon closure. Unless specifically approved by the BIA, no oil or other oil-based drilling additives, chromium/metals-based, or saline muds will be used during drilling. Only fresh water (as specified above), biodegradable polymer soap, bentonite clay, and/or non-toxic additives will be used in the mud system.

NBU 921-23G4CS/ 921-23J1BS/ 921-23J1CS/ 921-23K1BS 921-23K1CS/ 921-23K4BS Kerr-McGee Oil Gas Onshore, L.P.

NBU 921-23K Pad Surface Use Plan of Operations 7 of 13

Pits will be constructed to minimize the accumulation of surface precipitation runoff into the pit (via appropriate placement of subsoil storage areas and/or construction of berms, ditches, etc.). Should unexpected liquid petroleum hydrocarbons (crude oil or condensate) be encountered during drilling, completions or well testing, liquid petroleum hydrocarbons will either be contained in test tanks on the well site or evacuated by vacuum trucks and transported to an approved disposal/sales facility. Should petroleum hydrocarbons unexpectedly be released into a pit, they will be removed as soon as practical but in no case will they remain longer than 72 hours unless an alternate is approved by the BIA. Should timely removal not be feasible, the pit will be netted as soon as practical. Similarly, hydrocarbon removal will take place prior to the closure of the pit, unless authorization is provided for disposal via alternate pit closure methods (e.g. solidification).

The reserve and/or fracture stimulation pit will be lined with an impermeable liner. The liner will be a synthetic material 30 mil or thicker. The bottom and side walls of the pit will be void of any sharp rocks that could puncture the liner. The liner will be installed over smooth fill subgrade that is free of pockets, loose rocks, or other materials (i.e. sand, sifted dirt, bentonite, straw, etc.) that could damage the liner. After evaporation and when dry, the reserve pit liners will be cut off, ripped and/or folded back (as safety considerations allow) as near to the mud surface as possible and buried on location or hauled to a landfill prior to backfilling the pit with a minimum of five feet of soil material.

Where necessary and if conditions (freeboard, etc.) allow, produced liquids from newly completed wells may be temporarily disposed of into pits for a period not to exceed 90 days as per Onshore Order Number 7 (OSO 7). Subsequently, permanent approved produced water disposal methods will be employed in accordance with OSO 7 and/or as described in a Water Management Plan (WMP). Otherwise, fluids disposal locations and associated haul routes, for ROW consideration, are typically depicted on Topo A of individual projects. Revisions to the water source or method of transportation will be subject to written approval from the BIA.

Any additional pits necessary for subsequent operations, such as temporary flare or workover pits, will be contained within the originally approved well pad and disturbance boundaries. Such temporary pits will be backfilled and reclaimed within 180 days of completion of work at a well location.

Pits containing drilling cuttings, mud, and/or completions fluids will be allowed to dry. Any free fluids remaining after one year from reaching total depth, date of completion, and/or determination of inactivity will be removed (as weather conditions allow) to an approved site and the pit reclaimed. Installation and operation of any sprinklers, pumps, and equipment will ensure that water spray or mist does not drift.

No garbage or non-exempt substances as defined by Resource Conservation and Recovery Act (RCRA) subtitle C will be placed in the reserve pit. All refuse (trash and other solid waste including cans, paper, cable, etc.) generated during construction, drilling, completion, and well testing activities will be contained in an enclosed receptacle, removed from the drill locations promptly, and transported to an approved disposal facility. Immediately after removal of the drilling rig, all debris and other waste materials not contained within trash receptacles will be collected and removed from the well location.

For the protection of livestock and wildlife, all open pits (excluding flare pits) will be fenced to prevent wildlife or livestock entry. Total height of pit fencing will be at least 42 inches and corner posts will be cemented and/or braced in such a manner as to keep the fence tight at all times. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet. Siphons, catchments, and absorbent pads will be installed to keep hydrocarbons produced by the drilling rig or other equipment on location from entering the reserve pit. Hydrocarbons, contaminated pads, and/or soils will be disposed of in accordance with state and federal requirements.

Portable, self-contained chemical toilets and/or sewage processing facilities will be provided for human waste disposal. Upon completion of operations, or as required, the toilet holding tanks will be pumped and the contents disposed of in an approved sewage disposal facility. All applicable regulations pertaining to disposal of human and solid waste will be observed.

NBU 921-23G4CS/ 921-23J1BS/ 921-23J1CS/ 921-23K1BS 921-23K1CS/ 921-23K4BS Kerr-McGee Oil Gas Onshore, L.P. NBU 921-23K Pad Surface Use Plan of Operations 8 of 13

Materials Management

Hazardous materials above reportable quantities will not be produced by drilling or completing proposed wells or constructing the pipelines/facilities. The term "hazardous materials" as used here means: (1) any substance, pollutant, or containment listed as hazardous under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended 42 U.S.C. 9601 et seq., and the regulations issued under CERCLA; and (2) any hazardous waste as defined in RCRA of 1976, as amended. In addition, no extremely hazardous substance, as defined in 40 CFR 355, in threshold planning quantities, would be used, produced, stored, transported, or disposed of while producing any well.

Hazardous materials may be contained in some grease or lubricants, solvents, acids, paint, and herbicides, among others as defined above. Kerr-McGee maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances that are used during the course of construction, drilling, completion, and production operations for this project. The transport, use, storage and handling of hazardous materials will follow procedures specified by federal and state regulations. Transportation of hazardous materials to the well location is regulated by the Department of Transportation (DOT) under 49 CFR, Parts 171-180. DOT regulations pertain to the packing, container handling, labeling, vehicle placarding, and other safety aspects.

Potentially hazardous materials used in the development or operation of wells will be kept in limited quantities on well sites and at the production facilities for short periods of time. Chemicals meeting the criteria for being an acutely hazardous material/substance or meet the quantities criteria per BLM Instruction Memorandum No. 93-344 will not be used.

Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act (SARA) in quantities of 10,000 pounds or more may be produced and/or stored at production facilities (crude oil/condensate, produced water). They may also be kept in limited quantities on drilling sites (barite, diesel fuel, cement, cottonseed hulls etc.) for short periods of time during drilling or completion activities.

Fluids disposal and pipeline/haul routes are depicted on Topo Map A.

Any produced water separated from recoverable condensate from the proposed well will be contained in a water tank and will then be transported by pipeline and/or truck to one of the pre-approved disposal sites:

RNI in Sec. 5 T9S R22E NBU #159 in Sec. 35 T9S R21E Ace Oilfield in Sec. 2 T6S R20E MC&MC in Sec. 12 T6S R19E Pipeline Facility in Sec. 36 T9S R20E

Goat Pasture Evaporation Pond in SW/4 Sec. 16 T10S R22E

Bonanza Evaporation Pond in Sec. 2 T10S R23E

Or to one of the following Kerr-McGee active Salt Water Disposal (SWD) wells:

NBU 159 SWD in Sec. 35 T9S R21E CIGE 112D SWD in Sec. 19 T9S R21E CIGE 114 SWD in Sec. 34 T9S R21E NBU 921-34K SWD in Sec. 34 T9S R21E NBU 921-33F SWD in Sec. 34 T9S R21E

RECEIVED: May 22, 2012

NBU 921-23G4CS/ 921-23J1BS/ 921-23J1CS/ 921-23K1BS 921-23K1CS/ 921-23K4BS Kerr-McGee Oil Gas Onshore, L.P. NBU 921-23K Pad Surface Use Plan of Operations 9 of 13

H. Ancillary Facilities:

No additional ancillary facilities are planned for this location.

I. Well Site Layout:

The location, orientation and aerial extent of each drill pad, reserve/completion/flare pit (for closed loop or non-closed loop operations), access road ingress/egress points, drilling rig, dikes/ditches, existing wells/infrastructure, proposed cuts and fills, and topsoil and spoil material stockpile locations are depicted on the exhibits for each project, where applicable. Site-specific conditions may require slight deviation in actual equipment depending on whether a closed loop system is used. Surface distance may be less if using closed loop. But in either case, the area of disturbance will not exceed the maximum disturbance outlined in the attached exhibits.

For the protection of livestock and wildlife, all open pits and cellars will be fenced to prevent wildlife or livestock entry. Total height of pit fencing will be at least 42 inches and corner posts will be cemented and/or braced in such a manner as to keep the fence tight at all times. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

Each well will utilize either a centralized tank battery, centralized fluids management system, or have tanks installed on its pad. Production/ Produced Liquid tanks will be constructed, maintained, and operated to prevent unauthorized surface or subsurface discharges of liquids and to prevent livestock or wildlife entry. The tanks will be kept reasonably free from surface accumulations of liquid hydrocarbons. The tanks are not to be used for disposal of liquids from additional sources without prior approval of BIA.

J. Plans for Surface Reclamation:

The surface reclamation will be undertaken in two phases: interim and final. Interim reclamation is conducted following well completion and extends through the period of production. Interim reclamation is for the area of the well pad that is not required for production activities. Final reclamation is conducted following well plugging/conversion and/or facility abandonment processes.

Reclamation activities in both phases may include but is not limited to the re-contouring or re-configuration of topographic surfaces, restoration of drainage systems, segregation of spoils materials, minimizing surface disturbance, re-evaluating backfill requirements, pit closure, topsoil redistribution, soil treatments, seeding and weed control.

Interim Reclamation

Interim reclamation may include pit evaporation, fluid removal, pit solidification, re-contouring, ripping, spreading top soil, seeding, and/or weed control. Interim reclamation will be performed in accordance with OSO 1, or written notification will be provided to the BIA for approval. Where feasible, drilling locations, reserve pits, or access routes not utilized for production operations will be re-contoured to a natural appearance.

Interim re-contouring involves bringing all construction material from cuts and fills back onto the well pad and site and reestablishing the natural contours where desirable and practical. Fill and stockpiled spoils no longer necessary to the operation will be spread on the cut slopes and covered with stockpiled topsoil. All stockpiled top soils will be used for interim reclamation where practical to maintain soil viability. Where possible, the land surface will be left "rough" after re-contouring to ensure that the maximum surface area will be available to support the reestablishment of vegetative cover.

RECEIVED: May 22, 2012

NBU 921-23G4CS/ 921-23J1BS/ 921-23J1CS/ 921-23K1BS 921-23K1CS/ 921-23K4BS Kerr-McGee Oil Gas Onshore, L.P. NBU 921-23K Pad Surface Use Plan of Operations 10 of 13

A reserve pit, upon being allowed to dry, will be backfilled and compacted with cover materials that are void of any topsoil, vegetation, large stones, rocks or foreign objects. Soils that are moisture laden, saturated, or partially/completely frozen will not be used for backfill or cover. The pit area will be mounded to allow for settling and to promote positive surface drainage away from the pit. Disposal of pit fluids and linings is discussed in Section G.

Final Reclamation

Final reclamation will be performed for unproductive wells and after the end of the life of a productive well. As soon as practical after the conclusion of drilling and testing operations, unproductive drill holes will be plugged and abandoned (P&A). Site and road reclamation will commence following plugging. In no case will reclamation at non-producing locations be initiated later than six (6) months from the date a well is plugged. A joint inspection of the disturbed area to be reclaimed may be requested by Kerr-McGee. The primary purpose of this inspection will be to review the existing conditions, or agree upon a revised final reclamation and abandonment plan. The BIA will be notified prior to commencement of reclamation operations. A Notice of Intent to Abandon will be filed for final recommendations regarding surface reclamation.

After plugging, all wellhead equipment that is no longer needed will be removed, and the well site will be reclaimed. Final contouring will blend with and follow as closely as practical the natural terrain and contours of the original site and surrounding areas. After re-contouring the site to the approximate contour that existed prior to pad construction, final grading will be conducted over the entire surface of the well site and access road. The area will be ripped to a depth of 18 to 24 inches on 18 to 24-inch centers, where practical. The surface soil material will be pitted with small depressions to form longitudinal depressions 12 to 18 inches deep, where practical. The entire area will be uniformly covered with the depressions constructed perpendicular to the natural flow of water.

Reclamation of roads will be performed at the discretion of the BIA/Tribe. All unnecessary surface equipment and structures (e.g. cattle guards) and water control structures (e.g. culverts, drainage pipes) not needed to facilitate successful reclamation will be removed during final reclamation. Roads that will be reclaimed will be ripped to a depth of 18 inches where practical, re-contoured to approximate the original contour of the ground and seeded in accordance with the seeding specifications as proposed below in "Measures Common to Interim and Final Reclamation".

Upon successfully completing reclamation of a P&A location, a Final Abandonment Notice will be submitted to the BIA/Tribe.

Measures Common to Interim and Final Reclamation

Soil preparation will be conducted using a disk for areas in need of more soil preparation following site preparation. This will provide primary soil tillage to a depth no greater than 6 inches. Prior to reseeding, compacted areas will be scarified by ripping or chiseling to loosen compacted soils, promote water infiltration, and improve soil aeration and root penetration.

Seeding will occur year-round as conditions allow and will typically be accomplished through the use of a no-till rangeland style seed drill with a "picker box" in order to seed "fluffy" seed. Where drill seeding is not the preferred method, seed will be broadcast and then raked into the ground at double the rate of drill seeding. Seed mixes appropriate to the native plant community as determined and specified for each project location based on the site specific soils will be used for

re-vegetation. The seed mixes will be selected from a list provided by or approved by the BIA/Tribe or a specific seed mix will be proposed by Kerr-McGee to the BIA/Tribe and used after its approval. The selected specific seed mix for each well location and road segment will be utilized while performing interim and final reclamation for each project. All seed will be certified and tags will be maintained by Kerr-McGee. Every effort will be made to obtain "cheat grass free seed".

RECEIVED: May 22, 2012

NBU 921-23G4CS/ 921-23J1BS/ 921-23J1CS/ 921-23K1BS 921-23K1CS/ 921-23K4BS Kerr-McGee Oil Gas Onshore, L.P.

NBU 921-23K Pad Surface Use Plan of Operations 11 of 13

Seed Mix to be used for Well Site, Access Road, and Pipeline (as applicable):

Indian Ricegrass (Nezpar)	3
Sandberg Bluegrass	0.75
Bottlebrush Squirreltail	1
Great Basin Wildrye	0.5
Crested Wheatgrass	1.5
Winterfat	0.25
Shadscale	1.5
Four-wing Saltbrush	0.75
Forage Kochia	0.25
Total	9.5

Additional soil amendments and/or stabilization may be required on sites with poor soils and/or excessive erosion potential. Where severe erosion can become a problem and/or the use of machinery is not practical, seed will be hand broadcast and raked with twice the specified amount of seed. Slopes will be stabilized using materials specifically designed to prevent erosion on steep slopes and hold seed in place so vegetation can become permanently established. These materials will include, but are not limited to: erosion control blankets, hydro-mulch, and/or bonded fiber matrix at a rate to achieve a minimum of 80 percent soil coverage.

Weed Control

Noxious weeds will be controlled in akk orihect areas un accordance with all applicable rules and regulations.

K. Surface/Mineral Ownership:

Ute Indian Tribe
United States of America
P.O. Box 70
Bureau of Land Management
988 South 7500 East Annex Building
170 South 500 East
Fort Duschesne, UT 84026
Vernal, UT 84078
(435) 722-4307
(435)781-4400

L. Other Information:

Onsite Specifics:

- Arch monitor during construction
- Paleo monitor during construction
- Energy and Mninerals monitoring during construction
- Construct pit 100' wide to avoid hill on west side of pad

Cultural and Paleontological Resources

All personnel are strictly prohibited from collecting artifacts, any paleontological specimens or fossils, and from disturbing any significant cultural resources in the area. If artifacts, fossils, or any culturally sensitive materials are exposed or identified in the area of construction, all construction operations that would affect the newly discovered resource will cease, and Kerr-McGee will provide immediate notification to the BIA.

NBU 921-23G4CS/ 921-23J1BS/ 921-23J1CS/ 921-23K1BS 921-23K1CS/ 921-23K4BS Kerr-McGee Oil Gas Onshore, L.P. NBU 921-23K Pad Surface Use Plan of Operations 12 of 13

Resource Reports:

A Class I literature survey was completed in September, 2011 by Montgomery Archaeological Consultants, Inc. (MOAC). For additional details please refer to report MOAC 11-261.

A paleontological reconnaissance survey was completed on June 28-29, 2010 by SWCA Environmental Consultants. For additional details please refer to report UT11-14314-131.

Biological field survey was completed on August 18 and 23, 2011 by Grasslands Consulting, Inc (GCI). For additional details please refer to report GCI-581.

Proposed Action Annual Emissions Tables:

Table 1: Proposed Action Annual Emissions (tons/year) ¹				
Pollutant	Development	Production	Total	
NOx	3.8	0.12	3.92	
CO	2.2	0.11	2.31	
VOC	0.1	4.9	5	
SO ₂	0.005	0.0043	0.0093	
PM_{10}	1.7	0.11	1.81	
PM _{2.5}	0.4	0.025	0.425	
Benzene	2.2E-03	0.044	0.046	
Toluene	1.6E-03	0.103	0.105	
Ethylbenzene	3.4E-04	0.005	0.005	
Xylene	1.1E-03	0.076	0.077	
n-Hexane	1.7E-04	0.145	0.145	
Formaldehyde	1.3E-02	8.64E-05	1.31E-02	

¹ Emissions include 1 producing well and associated operations traffic during the year in which the project is developed

Table 2: Proposed Action versus 2012 WRAP Phase III Emissions Inventory Comparison					
Species	Proposed Action Production Emissions (ton/yr)	2012 Uintah Basin Emission Inventory ^a (ton/yr)	Percentage of Proposed Action to WRAP Phase III		
NOx	23.52	16,547	0.14%		
VOC	30	127,495	0.02%		

 $[^]a\ http://www.wrapair.org/forums/ogwg/Phase III_Inventory.html$

Uintah Basin Data

NBU 921-23G4CS/ 921-23J1BS/ 921-23J1CS/ 921-23K1BS 921-23K1CS/ 921-23K4BS Kerr-McGee Oil Gas Onshore, L.P.

NBU 921-23K Pad Surface Use Plan of Operations 13 of 13

M. Lessee's or Operators' Representative & Certification:

Laura Abrams
Regulatory Analyst II
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6356

Tommy Thompson General Manager, Drilling Kerr-McGee Oil & Gas Onshore LP PO Box 173779 Denver, CO 80217-3779 (720) 929-6724

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Land Management Nationwide Bond WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operation; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Laura Abrams

December 28, 2011

Date



Kerr-McGee Oil & Gas Onshore LP PO Box 173779 DENVER, CO 80217-3779

October 10, 2011

Ms. Diana Mason Division of Oil, Gas and Mining P.O. Box 145801 Salt Lake City, UT 84114-6100

Re: Directional Drilling R649-3-11

NBU 921-23K4BS

T9S-R21E

Section 23 NESW (Surface and Bottom Hole)

Surface: 2435' FSL, 1986' FWL Bottom Hole: 1901' FSL, 2148' FWL

Uintah County, Utah

Dear Ms. Mason:

Pursuant to the filing of Kerr-McGee Oil & Gas Onshore LP's (Kerr-McGee) Application for Permit to Drill regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling.

- Kerr-McGee's NBU 921-23K4BS is located within the Natural Buttes Unit area.
- Kerr-McGee is permitting this well as a directional well in order to minimize surface disturbance. Locating the well at the surface location and directionally drilling from this location, Kerr-McGee will be able to utilize the existing roads and pipelines in the area.
- Furthermore, Kerr-McGee certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

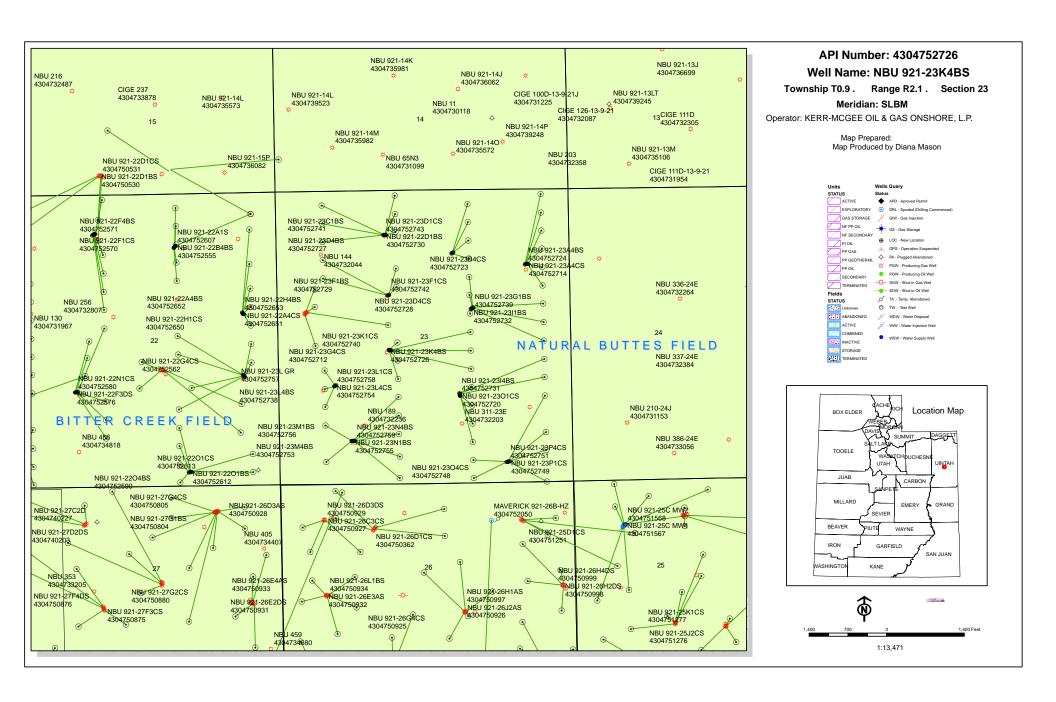
Therefore, based on the above stated information, Kerr-McGee Oil & Gas Onshore LP requests the permit be granted pursuant to R649-3-11.

Sincerely,

KERR-MCGEE OIL & GAS ONSHORE LP

Joe Matney Sr. Staff Landman

Joe Matiney



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

May 30, 2012

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2012 Plan of Development Natural Buttes Unit

Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2012 within the Natural Buttes Unit, Uintah County, Utah.

API # WELL NAME LOCATION

(Proposed PZ WASATCH-MESA VERDE)

WELL PAD - NBU 922-32D1

43-047-52691 NBU 922-30P1BS Sec 32 T09S R22E 0243 FNL 0813 FWL BHL Sec 30 T09S R22E 1246 FSL 0525 FEL

43-047-52693 NBU 922-30P4BS Sec 32 T09S R22E 0255 FNL 0797 FWL BHL Sec 30 T09S R22E 0576 FSL 0601 FEL

43-047-52694 NBU 922-30P1CS Sec 32 T09S R22E 0249 FNL 0805 FWL BHL Sec 30 T09S R22E 0908 FSL 0574 FEL

43-047-52695 NBU 922-30P3DS Sec 32 T09S R22E 0261 FNL 0789 FWL BHL Sec 30 T09S R22E 0229 FSL 0778 FEL

WELL PAD - NBU 921-23B

43-047-52696 NBU 921-23B1BS Sec 23 T09S R21E 1133 FNL 2116 FEL BHL Sec 23 T09S R21E 0247 FNL 1816 FEL

43-047-52706 NBU 921-23B4BS Sec 23 T09S R21E 1124 FNL 2098 FEL

BHL Sec 23 T09S R21E 0907 FNL 1816 FEL

43-047-52716 NBU 921-23B1CS Sec 23 T09S R21E 1128 FNL 2107 FEL BHL Sec 23 T09S R21E 0577 FNL 1816 FEL

43-047-52723 NBU 921-23B4CS Sec 23 T09S R21E 1137 FNL 2125 FEL BHL Sec 23 T09S R21E 1238 FNL 1816 FEL

WELL PAD - NBU 921-23G

43-047-52700 NBU 921-23G1CS Sec 23 T09S R21E 2126 FNL 1774 FEL

BHL Sec 23 T09S R21E 1898 FNL 1817 FEL

43-047-52701 NBU 921-23G4BS Sec 23 T09S R21E 2144 FNL 1799 FEL BHL Sec 23 T09S R21E 2228 FNL 1817 FEL

RECEIVED: May 30, 2012

API #	Ī	WELL NAME			LOCAT	ION		
(Proposed PZ	WASA	ATCH-MESA VERD	E)					
43-047-52702	NBU	921-23H4BS BHL						
43-047-52703	NBU	921-23H4CS BHL					1782 0493	
43-047-52732	NBU	921-23I1BS BHL						
		921-23G1BS BHL						
WELL PAD - N								
43-047-52704	NBU	921-23H1CS BHL					0762 0493	
43-047-52705	NBU	921-23A1BS BHL						
43-047-52711	NBU	921-23H1BS BHL					0752 0493	
43-047-52714	NBU	921-23A4CS BHL					0772 0493	
43-047-52722	NBU	921-23A1CS BHL					0792 0493	
		921-23A4BS BHL						
WELL PAD - N	BU 92	21-23J						
43-047-52707	NBU	921-23J4BS BHL					2036 1817	
43-047-52713	NBU	921-23I1CS BHL					2034 0494	
43-047-52717	NBU	921-2301BS BHL					2029 1818	
43-047-52719	NBU	921-23J4CS BHL					2031 1818	
43-047-52720	NBU	921-2301CS BHL					2028 1818	
							2032 0494	
WELL PAD - N								
43-047-52708	NBU	921-23K1BS BHL					1995 2147	
43-047-52709	NBU	921-23J1BS BHL					2022 1817	

Page 2

API # WELL NAME LOCATION (Proposed PZ WASATCH-MESA VERDE) BHL Sec 23 T09S R21E 2064 FSL 1817 FEL BHL Sec 23 T09S R21E 2559 FNL 1817 FEL 43-047-52726 NBU 921-23K4BS Sec 23 T09S R21E 2435 FSL 1986 FWL BHL Sec 23 T09S R21E 1901 FSL 2148 FWL BHL Sec 23 T09S R21E 2232 FSL 2147 FWL WELL PAD - NBU 921-23C BHL Sec 23 T09S R21E 0413 FNL 2145 FWL 43-047-52725 NBU 921-23C4BS Sec 23 T09S R21E 0789 FNL 1973 FWL BHL Sec 23 T09S R21E 0743 FNL 2145 FWL 43-047-52727 NBU 921-23D4BS Sec 23 T09S R21E 0794 FNL 1924 FWL BHL Sec 23 T09S R21E 0910 FNL 0823 FWL 43-047-52730 NBU 921-23D1BS Sec 23 T09S R21E 0792 FNL 1944 FWL BHL Sec 23 T09S R21E 0249 FNL 0823 FWL 43-047-52741 NBU 921-23C1BS Sec 23 T09S R21E 0791 FNL 1954 FWL BHL Sec 23 T09S R21E 0083 FNL 2145 FWL Sec 23 T09S R21E 0793 FNL 1934 FWL 43-047-52743 NBU 921-23D1CS BHL Sec 23 T09S R21E 0579 FNL 0823 FWL WELL PAD - NBU 921-23F BHL Sec 23 T09S R21E 1572 FNL 0823 FWL BHL Sec 23 T09S R21E 1241 FNL 0823 FWL BHL Sec 23 T09S R21E 1405 FNL 2146 FWL 43-047-52742 NBU 921-23F1CS Sec 23 T09S R21E 1879 FNL 2011 FWL BHL Sec 23 T09S R21E 1735 FNL 2146 FWL WELL PAD - NBU 921-23L 43-047-52738 NBU 921-23L4BS Sec 23 T09S R21E 1782 FSL 0991 FWL BHL Sec 23 T09S R21E 1739 FSL 0824 FWL

BHL Sec 23 T09S R21E 1408 FSL 0824 FWL

BHL Sec 23 T09S R21E 2070 FSL 0824 FWL

Page 3

API # WELL NAME LOCATION

(Proposed PZ WASATCH-MESA VERDE)

WELL PAD - NBU 921-23P 43-047-52744 NBU 921-23P4BS Sec 23 T09S R21E 0383 FSL 1166 FEL BHL Sec 23 T09S R21E 0578 FSL 0494 FEL 43-047-52746 NBU 921-2304BS Sec 23 T09S R21E 0375 FSL 1205 FEL BHL Sec 23 T09S R21E 0414 FSL 1818 FEL BHL Sec 23 T09S R21E 1567 FSL 0494 FEL BHL Sec 23 T09S R21E 0084 FSL 1818 FEL 43-047-52749 NBU 921-23P1CS Sec 23 T09S R21E 0381 FSL 1175 FEL BHL Sec 23 T09S R21E 0907 FSL 0494 FEL 43-047-52751 NBU 921-23P4CS Sec 23 T09S R21E 0379 FSL 1185 FEL BHL Sec 23 T09S R21E 0005 FSL 0494 FEL WELL PAD - NBU 921-23M BHL Sec 23 T09S R21E 0105 FSL 2149 FWL BHL Sec 23 T09S R21E 0910 FSL 2148 FWL 43-047-52752 NBU 921-23K4CS Sec 23 T09S R21E 0794 FSL 1310 FWL BHL Sec 23 T09S R21E 1571 FSL 2148 FWL 43-047-52753 NBU 921-23M4BS Sec 23 T09S R21E 0795 FSL 1300 FWL BHL Sec 23 T09S R21E 0415 FSL 0824 FWL BHL Sec 23 T09S R21E 1240 FSL 2148 FWL BHL Sec 23 T09S R21E 1077 FSL 0824 FWL

This office has no objection to permitting the wells at this time.

BHL Sec 23 T09S R21E 0495 FSL 2158 FWL



Page 4

bcc: File - Natural Buttes Unit

Division of Oil Gas and Mining

Central Files Agr. Sec. Chron Fluid Chron

MCoulthard:mc:5-30-12

API	Well Name	Surface Location
43-047-52691	NBU 922-30P1BS	Sec 32 T09S R22E 0243 FNL 0813 FWL
43-047-52693	NBU 922-30P4BS	Sec 32 T095 R22E 02+5 FNL 0797 FWL
43-047-52694	NBU 922-30P1CS	Sec 32 T09S R22E 0249 FNL 0805 FWL
43-047-52695	NBU 922-30P3DS	Sec 32 T09S R22E 0245 FNL 0305 FWL
43-047-52696	NBU 921-23B1BS	Sec 23 T09S R21E 1133 FNL 2116 FEL
43-047-52700	NBU 921-23G1CS	Sec 23 T095 R21E 2126 FNL 1774 FEL
43-047-52701	NBU 921-23G4BS	Sec 23 T09S R21E 2120 TNE 1774 FEL
43-047-52702	NBU 921-23H4BS	Sec 23 T09S R21E 2115 FNL 1758 FEL
43-047-52703	NBU 921-23H4CS	Sec 23 T09S R21E 2132 FNL 1782 FEL
43-047-52704	NBU 921-23H1CS	Sec 23 T09S R21E 1343 FNL 0762 FEL
43-047-52705	NBU 921-23A1BS	Sec 23 T09S R21E 1344 FNL 0802 FEL
43-047-52706	NBU 921-23B4BS	Sec 23 T09S R21E 1124 FNL 2098 FEL
43-047-52707	NBU 921-23J4BS	Sec 23 T09S R21E 1628 FSL 2036 FEL
43-047-52708	NBU 921-23K1BS	Sec 23 T09S R21E 2431 FSL 1995 FWL
43-047-52709	NBU 921-23J1BS	Sec 23 T09S R21E 2419 FSL 2022 FWL
43-047-52710	NBU 921-23J1CS	Sec 23 T09S R21E 2415 FSL 2032 FWL
43-047-52711	NBU 921-23H1BS	Sec 23 T09S R21E 1343 FNL 0752 FEL
43-047-52712	NBU 921-23G4CS	Sec 23 T09S R21E 2423 FSL 2013 FWL
43-047-52713	NBU 921-23I1CS	Sec 23 T09S R21E 1618 FSL 2034 FEL
43-047-52714	NBU 921-23A4CS	Sec 23 T09S R21E 1343 FNL 0772 FEL
43-047-52715	NBU 921-23C1CS	Sec 23 T09S R21E 0790 FNL 1963 FWL
43-047-52716	NBU 921-23B1CS	Sec 23 T09S R21E 1128 FNL 2107 FEL
43-047-52717	NBU 921-2301BS	Sec 23 T09S R21E 1589 FSL 2029 FEL
43-047-52719	NBU 921-23J4CS	Sec 23 T09S R21E 1599 FSL 2031 FEL
43-047-52720	NBU 921-2301CS	Sec 23 T09S R21E 1579 FSL 2028 FEL
43-047-52721	NBU 921-23E1BS	Sec 23 T09S R21E 1888 FNL 1982 FWL
43-047-52722	NBU 921-23A1CS	Sec 23 T09S R21E 1343 FNL 0792 FEL
43-047-52723	NBU 921-23B4CS	Sec 23 T09S R21E 1137 FNL 2125 FEL
43-047-52724	NBU 921-23A4BS	Sec 23 T09S R21E 1343 FNL 0782 FEL
43-047-52725	NBU 921-23C4BS	Sec 23 T09S R21E 0789 FNL 1973 FWL
43-047-52726	NBU 921-23K4BS	Sec 23 T09S R21E 2435 FSL 1986 FWL
43-047-52727	NBU 921-23D4BS	Sec 23 T09S R21E 0794 FNL 1924 FWL
43-047-52728	NBU 921-23D4CS	Sec 23 T09S R21E 1885 FNL 1992 FWL
43-047-52729	NBU 921-23F1BS	Sec 23 T09S R21E 1882 FNL 2002 FWL
43-047-52730	NBU 921-23D1BS	Sec 23 T09S R21E 0792 FNL 1944 FWL
43-047-52731	NBU 921-23I4BS	Sec 23 T09S R21E 1608 FSL 2032 FEL
43-047-52732	NBU 921-23I1BS	Sec 23 T09S R21E 2138 FNL 1790 FEL
43-047-52738	NBU 921-23L4BS	Sec 23 T09S R21E 1782 FSL 0991 FWL
43-047-52739	NBU 921-23G1BS	Sec 23 T09S R21E 2120 FNL 1766 FEL
43-047-52740	NBU 921-23K1CS	Sec 23 T09S R21E 2427 FSL 2004 FWL
43-047-52741	NBU 921-23C1BS	Sec 23 T09S R21E 0791 FNL 1954 FWL
43-047-52742	NBU 921-23F1CS	Sec 23 T09S R21E 1879 FNL 2011 FWL
43-047-52743	NBU 921-23D1CS	Sec 23 T09S R21E 0793 FNL 1934 FWL
43-047-52744	NBU 921-23P4BS	Sec 23 T09S R21E 0383 FSL 1166 FEL
43-047-52745	NBU 921-23N4CS	Sec 23 T09S R21E 0791 FSL 1329 FWL
43-047-52746	NBU 921-2304BS	Sec 23 T09S R21E 0375 FSL 1205 FEL

API	Well Name	Surface Location
43-047-52747	NBU 921-23I4CS	Sec 23 T09S R21E 0377 FSL 1195 FEL
43-047-52748	NBU 921-2304CS	Sec 23 T09S R21E 0373 FSL 1215 FEL
43-047-52749	NBU 921-23P1CS	Sec 23 T09S R21E 0381 FSL 1175 FEL
43-047-52750	NBU 921-23N1CS	Sec 23 T09S R21E 0790 FSL 1339 FWL
43-047-52751	NBU 921-23P4CS	Sec 23 T09S R21E 0379 FSL 1185 FEL
43-047-52752	NBU 921-23K4CS	Sec 23 T09S R21E 0794 FSL 1310 FWL
43-047-52753	NBU 921-23M4BS	Sec 23 T09S R21E 0795 FSL 1300 FWL
43-047-52754	NBU 921-23L4CS	Sec 23 T09S R21E 1788 FSL 0999 FWL
43-047-52755	NBU 921-23N1BS	Sec 23 T09S R21E 0792 FSL 1319 FWL
43-047-52756	NBU 921-23M1BS	Sec 23 T09S R21E 0796 FSL 1290 FWL
43-047-52758	NBU 921-23L1CS	Sec 23 T09S R21E 1794 FSL 1007 FWL
43-047-52759	NBU 921-23N4BS	Sec 23 T09S R21E 0788 FSL 1349 FWL

2 of 2 5/30/2012

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 5/23/2012 API NO. ASSIGNED: 43047527260000

WELL NAME: NBU 921-23K4BS

OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. (N2995) PHONE NUMBER: 720 929-6156

CONTACT: Danielle Piernot

PROPOSED LOCATION: NESW 23 090S 210E **Permit Tech Review:**

> SURFACE: 2435 FSL 1986 FWL **Engineering Review:**

> **BOTTOM:** 1901 FSL 2148 FWL **Geology Review:**

COUNTY: UINTAH

LATITUDE: 40.02092 LONGITUDE: -109.52129 **UTM SURF EASTINGS: 626187.00** NORTHINGS: 4431126.00

FIELD NAME: NATURAL BUTTES LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU 0149075 PROPOSED PRODUCING FORMATION(S): BLACKHAWK

SURFACE OWNER: 2 - Indian **COALBED METHANE: NO**

RECEIVED AND/OR REVIEWED: LOCATION AND SITING: ✓ PLAT R649-2-3.

Unit: NATURAL BUTTES Bond: FEDERAL - WYB000291

Potash R649-3-2. General

Oil Shale 190-5

Oil Shale 190-3 R649-3-3. Exception

Oil Shale 190-13 **Drilling Unit**

Board Cause No: Cause 173-14 Water Permit: 43-8496

Effective Date: 12/2/1999 **RDCC Review:**

Siting: Suspends General Siting Fee Surface Agreement

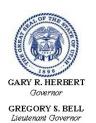
✓ Intent to Commingle R649-3-11. Directional Drill

Commingling Approved

Comments: Presite Completed

Stipulations:

3 - Commingling - ddoucet 4 - Federal Approval - dmason 15 - Directional - dmason 17 - Oil Shale 190-5(b) - dmason



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: NBU 921-23K4BS API Well Number: 43047527260000 Lease Number: UTU 0149075

Surface Owner: INDIAN Approval Date: 8/27/2012

Issued to:

KERR-MCGEE OIL & GAS ONSHORE, L.P., P.O. Box 173779, Denver, CO 80217

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 173-14. The expected producing formation or pool is the BLACKHAWK Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Commingle:

In accordance with Board Cause No. 173-14, commingling of the production from the Wasatch formation and the Mesaverde formation in this well is allowed.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

In accordance with the Order in Cause No. 190-5(b) dated October 28, 1982, the operator shall comply with the requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operators shall ensure that the surface and or production casing is properly cemented over the entire oil

shale section as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the division.

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at http://oilgas.ogm.utah.gov

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
 - Requests to Change Plans (Form 9) due prior to implementation
 - Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
 - Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

For John Rogers Associate Director, Oil & Gas

JAN 10 2012

FORM APPROVED

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

OMB No. 1004-0136 Expires July 31, 2010

5. Lease Serial No.

	DLW VENWAL, UIAH	0100149075	
APPLICATION FOR PERMIT	TO DRILL OR REENTER	6. If Indian, Allottee or Tribe	Name
1a. Type of Work: ☑ DRILL ☐ REENTER		7. If Unit or CA Agreement, UTU63047A	Name and No.
1b. Type of Well: ☐ Oil Well Gas Well ☐ Ot	her Single Zone Multiple Zone	8. Lease Name and Well No. NBU 921-23K4BS	
	LAURA ABRAMS	9. API Well No.	
		43 047 527	
3a. Address PO BOX 173779 DENVER, CO 80202-3779	3b. Phone No. (include area code) Ph: 720-929-6356 Fx: 720-929-7356	10. Field and Pool, or Explore NATURAL BUTTES	atory
4. Location of Well (Report location clearly and in accorded	unce with any State requirements.*)	11. Sec., T., R., M., or Blk. ar	nd Survey or Area
At surface NESW 2435FSL 1986FWL	. 40.020925 N Lat, 109.521325 W Lon	Sec 23 T9S R21E Me	r SLB
At proposed prod. zone NESW 1901FSL 2148FWL	. 40.019455 N Lat, 109.520749 W Lon		
 Distance in miles and direction from nearest town or post APPROXIMATELY 41.2 MILES SOUTH OF VE 	office* RNAL, UT	12. County or Parish UINTAH COUNTY	13. State UT
 Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1901' 	16. No. of Acres in Lease 640.00	17. Spacing Unit dedicated to	this well
18. Distance from proposed location to nearest well, drilling,	19. Proposed Depth	20. BLM/BIA Bond No. on fi	le
completed, applied for, on this lease, ft. 533'	11009 MD 10957 TVD	WYB000291	
21. Elevations (Show whether DF, KB, RT, GL, etc. 4888 GL	22. Approximate date work will start 06/30/2012	23. Estimated duration 60-90 DAYS	ECEIVED
	24. Attachments	Å.	
The following, completed in accordance with the requirements of		nis form:	
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office.) 	em Lands, the 5. Operator certification	ns unless covered by an existingle	
25. Signature (Electronic Submission)	Name (Printed/Typed) LAURA ABRAMS Ph: 720-929-6356		Date 12/30/2011
Title REGULATORY ANALYST II			
Approved by (Signature)	Name (Printed/Typed) Jerry Kenczka		AUG 1 7 2012
Title Assistant Field Manager Lands & Wineral Resources	Office VERNAL FIELD OFFICE	 E	
Application approval does not warrant or certify the applicant holoperations thereon. Conditions of approval, if any, are attached.			ant to conduct
Fitle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, m States any false, fictitious or fraudulent statements or representation	ake it a crime for any person knowingly and willfully to ons as to any matter within its jurisdiction.	make to any department or agence	y of the United

Additional Operator Remarks (see next page)

Electronic Submission #127107 verified by the BLM Well Information System For KERR MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal

NOTICE OF APPROVAL



CONDITIONS OF APPROVAL ATTACHED

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Victor



UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE** 170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	Kerr McGee Oil & Gas Onshore LP	Location:	NESW, Sec. 23, T9S R21E
Well No:	NBU 921-23K4BS	Lease No:	UTU0149075
API No:	43-047-52726	Agreement:	Natural Buttes

OFFICE NUMBER:

(435) 781-4400

OFFICE FAX NUMBER:

(435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

NOTIFICATION REQUIREMENTS

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	1	The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	_	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: blm_ut_vn_opreport@blm.gov
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

Page 2 of 6 Well: NBU 921-23K4BS 8/3/2012

SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.

Site specific COA's

- Paint facilities "Shadow Gray"
- Conduct a raptor survey prior to construction operations if such activities would take place during raptor nesting season (January 1 through September 30). If active raptor nests are identified during the survey, operations should be conducted according to the seasonal restrictions detailed in the Uinta Basin-specific RMP guidelines and spatial offsets specified by the USFWS Utah Raptor Guidelines.
- If constructed and/or drilling operations have not been initiated prior to August 24, 2012, conduct a biological survey to determine the presence of Uintah Basin hookless cactus in accordance with the guidelines specified in the USFWS Rare Plant Conservation Measures and the BLM RMP ROD. KMG will implement commitments contained in the GNB BO.
- Monitor construction operations with a Ute Energy & Minerals technician.
- Monitor construction operations with a permitted archeologist.
- Monitor construction operations with a permitted paleontologist.
- Narrow the reserve pit by 20' to avoid hill on west side of well pad.
- Move stockpile from corners #6, #7, and #8 to corners #3 and #4.
- Move topsoil stockpile from corners #9 and #10 to side #1 and #2.
- Double line the reserve pit.
- Consider utilizing closed-loop drilling system.

Page 3 of 6 Well: NBU 921-23K4BS

8/3/2012

DOWNHOLE PROGRAM CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

• Gamma ray Log shall be run from Total Depth to Surface.

Variances Granted:

Air Drilling

- Properly lubricated and maintained rotating head. Variance granted to use a properly maintained and lubricated diverter bowl in place of a rotating head.
- Blooie line discharge 100' from the well bore. Variance granted for blooie line discharge to be 45' from the well bore.
- Compressors located in the opposite direction from the blooie line a minimum of 100' from the well bore. Variance granted for truck/trailer mounted air compressors located 40'from the well bore.
- In lieu of mud products on location, Kerr McGee will fill the reserve pit with water for the kill
 medium and will utilize a skid pump near the reserve pit to supply the water to the well bore if
 necessary.
- Automatic igniter. Variance granted for igniter due to there being no productive formations encountered while air drilling.
- FIT Test. Variance granted due to well-known geology and the problems that can occur with the FIT test.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil &

Page 4 of 6 Well: NBU 921-23K4BS

8/3/2012

Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- Cement baskets shall not be run on surface casing.
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water
 is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM
 Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM,
 Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum
 Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to BLM_UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

Page 5 of 6 Well: NBU 921-23K4BS 8/3/2012

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- Should the well be successfully completed for production, the BLM Vernal Field office must be
 notified when it is placed in a producing status. Such notification will be by written
 communication and must be received in this office by not later than the fifth business day
 following the date on which the well is placed on production. The notification shall provide, as a
 minimum, the following informational items:
 - o Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - o Unit agreement and/or participating area name and number, if applicable.
 - o Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if

Page 6 of 6 Well: NBU 921-23K4BS

8/3/2012

performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM. Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field
 Office Petroleum Engineers will be provided with a date and time for the initial meter calibration
 and all future meter proving schedules. A copy of the meter calibration reports shall be
 submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API
 standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All
 measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted
 to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs
 first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be
 adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively
 sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
 equipment shall be removed from a well to be placed in a suspended status without prior
 approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30
 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given
 before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office
 Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in
 order that a representative may witness plugging operations. If a well is suspended or
 abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent
 Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual
 plugging of the well bore, showing location of plugs, amount of cement in each, and amount of
 casing left in hole, and the current status of the surface restoration.

Sundry Number: 41180 API Well Number: 43047527260000

	STATE OF UTAH		FORM 9
	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 0149075		
SUNDF	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute In
	oposals to drill new wells, significantly reenter plugged wells, or to drill horizon for such proposals.		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 921-23K4BS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	NSHORE, L.P.		9. API NUMBER: 43047527260000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18tl	h Street, Suite 600, Denver, CO, 80217	PHONE NUMBER: 73779 720 929-0	9. FIELD and POOL or WILDCAT: 5NATERAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2435 FSL 1986 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 23 Township: 09.0S Range: 21.0E Meric	dian: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICAT	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
✓ NOTICE OF INTENT	ACIDIZE	ALTER CASING	CASING REPAIR
Approximate date work will start: 8/27/2013	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
0/2//2015	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
Kerr-McGee Oil & G an extension to this	COMPLETED OPERATIONS. Clearly show a Gas Onshore, L.P. (Kerr-McGe APD for the maximum time with any questions and/or co	ee) respectfully requests allowed. Please contact	Approved by the
NAME (PLEASE PRINT) Teena Paulo	PHONE NUMB 720 929-6236	ER TITLE Staff Regulatory Specialist	
SIGNATURE N/A		DATE 8/9/2013	

Sundry Number: 41180 API Well Number: 43047527260000



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047527260000

API: 43047527260000 Well Name: NBU 921-23K4BS

Location: 2435 FSL 1986 FWL QTR NESW SEC 23 TWNP 090S RNG 210E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 8/27/2012

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

• If located on private land, has the Yes No	e ownership changed, if so, has the surface agreement been updated?
Have any wells been drilled in th requirements for this location?	e vicinity of the proposed well which would affect the spacing or siting Yes No
Has there been any unit or other proposed well? Yes	agreements put in place that could affect the permitting or operation of thi
Have there been any changes to proposed location? Yes	the access route including ownership, or rightof- way, which could affect th No
• Has the approved source of wate	er for drilling changed? 🔘 Yes 🌘 No
	anges to the surface location or access route which will require a change in at the onsite evaluation? Q Yes No
• Is bonding still in place, which co	overs this proposed well? 🌘 Yes 🔘 No
nature: Teena Paulo	Date: 8/9/2013

Sig

Title: Staff Regulatory Specialist Representing: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Sundry Number: 47468 API Well Number: 43047527260000

	STATE OF UTAH		FORM 9		
ı	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 0149075		
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE				
	posals to drill new wells, significantly reenter plugged wells, or to drill horiz n for such proposals.		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES		
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 921-23K4BS				
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	ISHORE, L.P.		9. API NUMBER: 43047527260000		
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th	h Street, Suite 600, Denver, CO, 802	PHONE NUMBER: 17 3779 720 929-	9. FIELD and POOL or WILDCAT: 6 INATURAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2435 FSL 1986 FWL			COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 23 Township: 09.0S Range: 21.0E Mer	ridian: S	STATE: UTAH		
11. CHECI	K APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	ACIDIZE	ALTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION		
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK		
✓ SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
Date of Spud: 2/2/2014	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
2/2/2014	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL		
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION		
Report Date.		STA STATUS EXTENSION			
	WILDCAT WELL DETERMINATION	OTHER	OTHER:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Spud well 02/02/2014 @ 10:00. Drill 24" conductor hole to 40', run 14" X .250 wall conductor pipe, cement with 81 sacks ready mix. Anticipated surface spud date and surface casing cement 02/21/2014. For RECORD ONLY February 04, 2014					
NAME (PLEASE PRINT)	PHONE NUM				
Doreen Green	435 781-9758	Regulatory Analyst II			
SIGNATURE N/A		DATE 2/4/2014			

Sundry Number: 52637 API Well Number: 43047527260000

	STATE OF UTAH			FO	ORM 9
	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND MI		i	5.LEASE DESIGNATION AND SERIAL NUM UTU 0149075	IBER:
SUNDR	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME UTE	Ξ:		
	posals to drill new wells, significantly reenter plugged wells, or to drill horiz n for such proposals.			7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
1. TYPE OF WELL Gas Well				8. WELL NAME and NUMBER: NBU 921-23K4BS	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	ISHORE, L.P.			9. API NUMBER: 43047527260000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18tl	h Street, Suite 600, Denver, CO, 802		NE NUMBER: 9 720 929-6	9. FIELD and POOL or WILDCAT: 1NATERAL BUTTES	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2435 FSL 1986 FWL				COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 23 Township: 09.0S Range: 21.0E Mer	idian:	S	STATE: UTAH	
11. CHEC	K APPROPRIATE BOXES TO INDICA	ATE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA	
TYPE OF SUBMISSION			TYPE OF ACTION		
	ACIDIZE		LITER CASING	CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WELL NAME	
	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	☐ F	RACTURE TREAT	☐ NEW CONSTRUCTION	
	OPERATOR CHANGE	☐ F	LUG AND ABANDON	PLUG BACK	
SPUD REPORT	PRODUCTION START OR RESUME	□ F	ECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
Date of Spud:	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON	
	TUBING REPAIR		ENT OR FLARE	WATER DISPOSAL	
✓ DRILLING REPORT	WATER SHUTOFF		I TA STATUS EXTENSION	APD EXTENSION	
Report Date: 6/26/2014			I TA STATUS EXTENSION		
	WILDCAT WELL DETERMINATION		OTHER	OTHER:	
	COMPLETED OPERATIONS. Clearly shov			Accepted by the Utah Division of Oil, Gas and Mining FOR _{IT} 展長氏QRP ONL	Y
NAME (PLEASE PRINT) Doreen Green	PHONE NUM 435 781-9758	BER	TITLE Regulatory Analyst II		
SIGNATURE			DATE		
N/A			6/26/2014		

RECEIVED: Jun. 26, 2014

Sundry Number: 55457 API Well Number: 43047527260000

	STATE OF UTAH				FORM 9
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE D	DESIGNATION AND SERIAL NUMBER: 49075	
SUNDRY NOTICES AND REPORTS ON WELLS				6. IF INDIA	N, ALLOTTEE OR TRIBE NAME:
Do not use this form for pro current bottom-hole depth, I FOR PERMIT TO DRILL form	posals to drill new wells, significantly reenter plugged wells, or to drill horize n for such proposals.	deep ontal l	en existing wells below aterals. Use APPLICATION		CA AGREEMENT NAME: L BUTTES
1. TYPE OF WELL Gas Well					AME and NUMBER: -23K4BS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	ISHORE, L.P.			9. API NUN 4304752	MBER: 27260000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th	n Street, Suite 600, Denver, CO, 8021		NE NUMBER: 9 720 929-6		nd POOL or WILDCAT: L BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2435 FSL 1986 FWL				COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NESW Section: 2	HP, RANGE, MERIDIAN: 23 Township: 09.0S Range: 21.0E Meri	idian:	s	STATE: UTAH	
11. CHECI	K APPROPRIATE BOXES TO INDICA	TE N	ATURE OF NOTICE, REPOR	T, OR OT	HER DATA
TYPE OF SUBMISSION			TYPE OF ACTION		
	ACIDIZE		ALTER CASING		CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING		CHANGE WELL NAME
	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS		CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	☐ F	RACTURE TREAT		NEW CONSTRUCTION
	OPERATOR CHANGE	☐ F	PLUG AND ABANDON	F	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	☐ F	RECLAMATION OF WELL SITE	☐ F	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL		TEMPORARY ABANDON
	TUBING REPAIR		/ENT OR FLARE		NATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	П.	SI TA STATUS EXTENSION		APD EXTENSION
9/11/2014			OTHER	OTHER	
	WILDCAT WELL DETERMINATION				-
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. No actitivy for Quarter 3 of 2014. Well drilled to TD 2,870 ft. Thank you. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 15, 2014					
NAME (PLEASE PRINT) Kay E. Kelly	PHONE NUMI 720 929 6582	BER	TITLE Regulatory Analyst		
SIGNATURE N/A			DATE 9/11/2014		

Sundry Number: 58975 API Well Number: 43047527260000

	STATE OF UTAH		FORM 9
ſ	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 0149075
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE		
	posals to drill new wells, significantly reenter plugged wells, or to drill horizo n for such proposals.		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 921-23K4BS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	ISHORE, L.P.		9. API NUMBER: 43047527260000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th	h Street, Suite 600, Denver, CO, 8021	PHONE NUMBER: 73779 720 929-	9. FIELD and POOL or WILDCAT: 1NATERAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2435 FSL 1986 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 23 Township: 09.0S Range: 21.0E Merio	dian: S	STATE: UTAH
11. CHECK	K APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
✓ DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
12/16/2014		SI TA STATUS EXTENSION	
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
	COMPLETED OPERATIONS. Clearly show S AT 2,870'. WAITING ON PR YOU.		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 17, 2014
NAME (DI FACE BRINT)	BUONE MAN	DED TITLE	
NAME (PLEASE PRINT) Kay E. Kelly	PHONE NUMB 720 929 6582	BER TITLE Regulatory Analyst	
SIGNATURE N/A		DATE 12/16/2014	

Sundry Number: 62011 API Well Number: 43047527260000

	STATE OF UTAH				
1	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MINI		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 0149075		
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE				
	posals to drill new wells, significantly do reenter plugged wells, or to drill horizont n for such proposals.		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES		
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 921-23K4BS		
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	ISHORE, L.P.		9. API NUMBER: 43047527260000		
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th	n Street, Suite 600, Denver, CO, 80217	PHONE NUMBER: 3779 720 929-6	9. FIELD and POOL or WILDCAT: 110/ATUERAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2435 FSL 1986 FWL			COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSH	HP, RANGE, MERIDIAN: 23 Township: 09.0S Range: 21.0E Meridia	an: S	STATE: UTAH		
11. CHECI	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	T, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	ACIDIZE	ALTER CASING	CASING REPAIR		
NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION		
· I	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK		
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL		
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION		
3/31/2015		OTHER	OTHER:		
	WILDCAT WELL DETERMINATION				
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. No activity for Quarter 1 of 2015. Well drilled to 2,870 ft. Thank you. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 31, 2015					
NAME (PLEASE PRINT)	PHONE NUMBE				
Kristina Geno	720 929-6824	Regulatory Analyst			
SIGNATURE N/A		DATE 3/31/2015			

RECEIVED: Mar. 31, 2015

Sundry Number: 64370 API Well Number: 43047527260000

	STATE OF UTAH DEPARTMENT OF NATURAL RESOUF			FORM 9	
ι	i	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 0149075			
SUNDR	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE			
	posals to drill new wells, significantl reenter plugged wells, or to drill horiz n for such proposals.			7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
1. TYPE OF WELL Gas Well				8. WELL NAME and NUMBER: NBU 921-23K4BS	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	ISHORE, L.P.			9. API NUMBER: 43047527260000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th	n Street, Suite 600, Denver, CO, 802		NE NUMBER: 9 720 929-6	9. FIELD and POOL or WILDCAT: 110ATURAL BUTTES	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2435 FSL 1986 FWL				COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 23 Township: 09.0S Range: 21.0E Me	ridian:	S	STATE: UTAH	
11. CHECK	K APPROPRIATE BOXES TO INDICA	ATE N	ATURE OF NOTICE, REPOR	T, OR OTHER DATA	
TYPE OF SUBMISSION			TYPE OF ACTION		
	ACIDIZE		LTER CASING	CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	□ c	HANGE TUBING	CHANGE WELL NAME	
	CHANGE WELL STATUS	□ c	OMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	☐ F	RACTURE TREAT	NEW CONSTRUCTION	
	OPERATOR CHANGE	☐ P	LUG AND ABANDON	PLUG BACK	
SPUD REPORT	PRODUCTION START OR RESUME	□ R	ECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
Date of Spud:	REPERFORATE CURRENT FORMATION		IDETRACK TO REPAIR WELL	TEMPORARY ABANDON	
	TUBING REPAIR		ENT OR FLARE	WATER DISPOSAL	
✓ DRILLING REPORT	WATER SHUTOFF		I TA STATUS EXTENSION	APD EXTENSION	
Report Date: 6/30/2015		s	I TA STATUS EXTENSION		
	WILDCAT WELL DETERMINATION		OTHER	OTHER:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. No activity for Quarter 2 of 2015. Well drilled to 2,870 ft. Thank you. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 30, 2015					
NAME (PLEASE PRINT) Jennifer Thomas	PHONE NUM 720 929-6808	IBER	TITLE Regulatory Specialist		
SIGNATURE N/A			DATE 6/30/2015		

Sundry Number: 66523 API Well Number: 43047527260000

STATE OF UTAH			FORM 9		
			5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 0149075		
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE				
	oposals to drill new wells, significantly de reenter plugged wells, or to drill horizont n for such proposals.		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES		
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 921-23K4BS		
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	ISHORE, L.P.		9. API NUMBER: 43047527260000		
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18tl	F h Street, Suite 600, Denver, CO, 80217	PHONE NUMBER: 3779 720 929-6	9. FIELD and POOL or WILDCAT: 110/ATUERAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2435 FSL 1986 FWL			COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 23 Township: 09.0S Range: 21.0E Meridia	in: S	STATE: UTAH		
11. CHEC	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	T, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
		ALTER CASING	CASING REPAIR		
NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION		
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK		
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	TUBING REPAIR				
✓ DRILLING REPORT		☑ VENT OR FLARE	☐ WATER DISPOSAL ☐		
Report Date: 9/30/2015		SI TA STATUS EXTENSION	APD EXTENSION		
0,00,20.0	WILDCAT WELL DETERMINATION	OTHER	OTHER:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. No activity for Quarter 3 of 2015. Well TD at 2,870 ft. Thank you. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 30, 2015					
NAME (PLEASE PRINT) Jennifer Thomas	PHONE NUMBE 720 929-6808	Regulatory Specialist			
SIGNATURE		DATE 0/30/2015			
N/A		9/30/2015			

Sundry Number: 68679 API Well Number: 43047527260000

STATE OF UTAH			FORM 9		
1	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	3	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 0149075		
SUNDR	RY NOTICES AND REPORTS ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE		
	posals to drill new wells, significantly deep reenter plugged wells, or to drill horizontal n for such proposals.		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES		
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 921-23K4BS		
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	ISHORE, L.P.		9. API NUMBER: 43047527260000		
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18tl	PHO h Street, Suite 600, Denver, CO, 80217 377	DNE NUMBER: 79 720 929-6	9. FIELD and POOL or WILDCAT: 510/ATUERAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2435 FSL 1986 FWL			COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NESW Section: 2	HIP, RANGE, MERIDIAN: 23 Township: 09.0S Range: 21.0E Meridian:	s	STATE: UTAH		
11. CHEC	K APPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPOR	T, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF		CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON WATER DISPOSAL APD EXTENSION OTHER: EPTHS, VOLUMES, etc. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 04, 2016		
NAME (PLEASE PRINT) Kristina Geno	PHONE NUMBER 720 929-6824	TITLE Regulatory Analyst			
SIGNATURE N/A		DATE 12/31/2015			

Sundry Number: 70699 API Well Number: 43047527260000

	STATE OF UTAH		FORM 9
ı	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MINI		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 0149075
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 921-23K4BS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	ISHORE, L.P.		9. API NUMBER: 43047527260000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th	n Street, Suite 600, Denver, CO, 80217	PHONE NUMBER: 3779 720 929-6	9. FIELD and POOL or WILDCAT: 5NXTURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2435 FSL 1986 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NESW Section: 2	IIP, RANGE, MERIDIAN: 23 Township: 09.0S Range: 21.0E Meridi	an: S	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICATI	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION COMPLETED OPERATIONS. Clearly show all arter 1 of 2016. Well drilled to		CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON WATER DISPOSAL APD EXTENSION OTHER: DEPths, volumes, etc. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 04, 2016
NAME (PLEASE PRINT)	PHONE NUMBE	R TITLE	
Kristina Geno	720 929-6824	Regulatory Analyst	
SIGNATURE N/A		DATE 3/31/2016	

RECEIVED: Mar. 31, 2016

Sundry Number: 72727 API Well Number: 43047527260000

	STATE OF UTAH			FORM
ı	DEPARTMENT OF NATURAL RESOUI DIVISION OF OIL, GAS, AND M		3	5.LEASE DESIGNATION AND SERIAL NUMBER UTU 0149075
SUNDR	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE		
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.				7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 921-23K4BS			
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	ISHORE, L.P.			9. API NUMBER: 43047527260000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th	n Street, Suite 600, Denver, CO, 802		NE NUMBER: 720 929-6	9. FIELD and POOL or WILDCAT: 45ATUERAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2435 FSL 1986 FWL				COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 23 Township: 09.0S Range: 21.0E Me	ridian:	S	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDIC	ATE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	
	ACIDIZE		ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WELL NAME
	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	□ F	RACTURE TREAT	NEW CONSTRUCTION
	OPERATOR CHANGE	F	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	□ F	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR		/ENT OR FLARE	WATER DISPOSAL
✓ DRILLING REPORT	WATER SHUTOFF		SI TA STATUS EXTENSION	APD EXTENSION
Report Date: 6/30/2016			SI TA STATUS EXTENSION	
	WILDCAT WELL DETERMINATION		OTHER	OTHER:
No activity for Qu	COMPLETED OPERATIONS. Clearly shou uarter 2 of 2016. Well TD a	at 2,8	70 ft. Thank you.	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 30, 2016
NAME (PLEASE PRINT) Jennifer Thomas	PHONE NUN 720 929-6808	IBER	TITLE Regulatory Specialist	
SIGNATURE N/A			DATE 6/30/2016	

RECEIVED: Jun. 30, 2016

Sundry Number: 74746 API Well Number: 43047527260000

	STATE OF UTAH			FORM S
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			3	5.LEASE DESIGNATION AND SERIAL NUMBER UTU 0149075
SUNDRY NOTICES AND REPORTS ON WELLS			WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
Do not use this form for pro current bottom-hole depth, I FOR PERMIT TO DRILL form	oposals to drill new wells, significantly reenter plugged wells, or to drill horizen n for such proposals.	/ deep ontal l	en existing wells below laterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well				8. WELL NAME and NUMBER: NBU 921-23K4BS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	ISHORE, L.P.			9. API NUMBER: 43047527260000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th	h Street, Suite 600, Denver, CO, 8021		ONE NUMBER: 720 929-6	9. FIELD and POOL or WILDCAT: 4BATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2435 FSL 1986 FWL				COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NESW Section: 2	HIP, RANGE, MERIDIAN: 23 Township: 09.0S Range: 21.0E Meri	idian:	S	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICA	ATE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	
	ACIDIZE		ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WELL NAME
	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	□ F	FRACTURE TREAT	NEW CONSTRUCTION
Bate of Work Completion.	OPERATOR CHANGE		PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME		RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR		/ENT OR FLARE	WATER DISPOSAL
✓ DRILLING REPORT Report Date:	WATER SHUTOFF		SI TA STATUS EXTENSION	APD EXTENSION
9/28/2016	WILDCAT WELL DETERMINATION		OTHER	OTHER:
42 DESCRIPE PROPOSED OR	COMPLETED OPERATIONS. Clearly show			<u> </u>
	or Quarter 3 of 2016. Well o	•	<u>-</u> .	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 04, 2016
NAME (PLEASE PRINT) Candice Barber	PHONE NUM 435 781-9749	BER	TITLE HSE Representative	
SIGNATURE N/A			DATE 9/28/2016	

Sundry Number: 76766 API Well Number: 43047527260000

	STATE OF UTAH				FORM 9
1	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		6	5.LEASE UTU 0	DESIGNATION AND SERIAL NUMBER: 49075
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF IND	AN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for procurrent bottom-hole depth, FOR PERMIT TO DRILL form	oposals to drill new wells, significantly reenter plugged wells, or to drill horizon n for such proposals.	deep ontal l	pen existing wells below laterals. Use APPLICATION		r CA AGREEMENT NAME: AL BUTTES
1. TYPE OF WELL Gas Well				1	NAME and NUMBER: 21-23K4BS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	NSHORE, L.P.			9. API NU 43047	MBER: 527260000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18tl	h Street, Suite 600, Denver, CO, 8021		ONE NUMBER: 79 720 929-6	1	and POOL or WILDCAT: AL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2435 FSL 1986 FWL				COUNTY	
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NESW Section: 2	HIP, RANGE, MERIDIAN: 23 Township: 09.0S Range: 21.0E Meri	dian:	S	STATE: UTAH	
11. CHEC	K APPROPRIATE BOXES TO INDICA	TE N	ATURE OF NOTICE, REPOR	T, OR O	THER DATA
TYPE OF SUBMISSION			TYPE OF ACTION		
	ACIDIZE		ALTER CASING		CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING		CHANGE WELL NAME
	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS		CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	☐ F	FRACTURE TREAT		NEW CONSTRUCTION
	OPERATOR CHANGE	☐ F	PLUG AND ABANDON		PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	☐ F	RECLAMATION OF WELL SITE		RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL		TEMPORARY ABANDON
	TUBING REPAIR	\Box	VENT OR FLARE		WATER DISPOSAL
✓ DRILLING REPORT Report Date:	WATER SHUTOFF		SI TA STATUS EXTENSION		APD EXTENSION
12/6/2016	WILDCAT WELL DETERMINATION		OTHER	ОТНЕ	R:
12 DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show	all ne	rtinent details including dates d	enths vo	lumes etc
	or Quarter 4 of 2016. Well d	-		oi FOF	Accepted by the Utah Division of I, Gas and Mining RECORD ONLY December 08, 2016
				L	december 06, 2016
NAME (PLEASE PRINT) Candice Barber	PHONE NUME 435 781-9749	BER	TITLE HSE Representative		
SIGNATURE N/A			DATE 12/6/2016		